CHEMICAL RESISTANCE

Chemicals	°C	PB		PA66			PE			PP			POM			PS		ABS		PVC			PTFE		EPDM		FPM		NBR*	
	Conc%	20	60	20	60	100	20	40	60	20	60	100	20	60	100	20	50	20	50	20	40	60	20	50	20	50	20	50	20	50
Acetaldehyde	40%	2	3	1	-	-	1	1	2	1	2	-	1	-	-	3	3	3	3	2	3	3	1	1	2	-	3	3	3	3
Acetaldehyde	100%	3	3	1	-	-	1	2	2	1	2	-	1	-	-	3	3	-	-	3	3	3	1	1	2	-	3	3	3	3
Acetic achydride	Techn.Pure	3	3	2	-	-	3	3	-	1	-	-	1	1	-	3	3	3	3	3	3	-	1	1	2	-	3	3	3	3
Acetic, acid	10	1	1	3	3	-	1	1	1	1	1	-	1	3	-	1	1	1	3	2	2	2	1	1	1	-	2	-	2	2
Acetic, acid	50%	1	2	3	3	-	1	1	1	1	1	2	3	3	-	1	1	-	-	2	-	-	1	1	3	3	3	3	3	3
Acetic, acid	100%	2	-	3	3	-	-	-	-	1	2	3	3	3	-	-	-	3	3	3	3	3	1	1	3	3	3	3	3	3
Acetone	10	-	-	1	-	-	1	2	-	1	2	-	1	3	-	3	3	3	3	3	3	3	1	1	1	-	3	3	3	3
Acetone	100%	1	1	1	-	-	2	2	-	1	3	3	2	3	-	3	3	-	-	3	3	3	1	1	1	-	3	3	3	3
Acetonitrile		-	-	1	-	-	1	1	-	2	3	-	3	-	-	3	3	-	-	3	3	-	1	-	2	-	2	-	3	3
Acetophenone	100%	-	-	1	-	-	1	-	-	1	2	-	1	-	-	-	3	-	-	3	3	3	1	1	1	-	3	3	3	3
Acetylene		2	3	1	-	-	1	-	-	1	-	-	1	-	-	-	-	-	-	2	-	-	1	-	1	-	1	-	1	-
Acetylsalicylic acid		-	-	1	-	-	-	-	-	1	2	-	3	-	-	1	-	3	3	-	-	-	1	1	1	-	2	-	-	-
Acqua regia		3	3	3	3	-	3	3	3	3	3	3	3	3	3	3	3	-	-	3	3	-	1	1	3	3	3	3	3	3
Acrylonitrile	100%	-	-	1	-	-	1	2	-	2	3	-	2	-	-	3	3	-	-	3	3	3	1	-	3	3	3	3	3	3
Adipic, acid	Saturated	1	2	-	-	-	1	1	-	1	1	-	1	2	-	1	1	-	-	1	2	-	1	1	1	-	1	-	1	1
Almond oil		-	-	1	-	-	-	-	-	1	-	-	1	-	-	2	3	1	1	-	-	-	1	1	3	3	1	-	1	-
Aluminum chloride	Saturated	1	1	2	3	3	1	1	-	1	1	1	3	3	3	-	-	1	1	1	1	-	1	-	1	-	1	-	1	-
Ammonium acetate	Saturated	-	-	1	-	-	1	1	1	1	1	-	1	-	-	1	1	-	-	1	1	2	1	1	1	-	2	-	1	1
Ammonium bicarbonate	Saturated	-	-	1	-	-	1	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	1	1	1	-	2	-	2	-
Ammonium Chloride	Aqueous	1	1	1	-	-	1	1	-	1	-	-	1	2	-	1	1	1	1	1	2	-	1	1	1	-	1	1	1	1
Ammonium fluoride	Saturated	-	-	1	-	-	1	1	-	1	1	-	1	-	-	-	-	-	-	1	-	-	1	1	1	-	2	3	1	1
Ammonium fluoride	25%	1	2	1	-	-	1	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	1	1	1	-	2	3	1	1
Ammonium Hydroxide	5%	-	-	1	-	-	1	1	-	1	1	-	1	1	-	1	2	1	-	1	-	-	1	1	1	-	1	-	1	2
Ammonium Hydroxide	30%	-	-	2	-	-	1	1	-	1	1	-	1	1	-	1	2	1	-	1	-	-	1	1	1	-	2	-	1	2
Ammonium nitrate	Saturated	1	1	1	-	-	1	1	2	1	1	1	1	3	-	1	-	-	-	1	1	1	1	1	1	-	1	1	1	1
Ammonium phosphate	Saturated	1	1	1	-	-	1	1	1	1	-	-	1	-	-	1	1	-	-	1	2	2	1	1	1	-	1	2	1	1
Ammonium sulfate	Saturated	1	1	1	-	-	1	1	1	1	1	1	1	-	-	1	-	1	1	1	1	2	1	1	1	-	1	2	1	1
Amyl acetate	100%	1	-	1	-	-	1	2	-	2	3	-	1	-	-	3	3	3	3	3	3	-	1	1	2	3	3	3	3	3
Amyl alcohol	100%	1	1	1	-	-	1	1	-	1	1	1	1	-	-	1	2	-	-	2	-	-	1	1	2	-	1	3	2	-
Amyl chloride		1	1	1	-	-	3	3	-	3	3	3	1	-	-	3	3	-	-	3	3	3	1	1	3	3	1	-	3	3
Aniline	100%	2	2	3	3	-	1	2	-	1	2	-	1	2	-	3	3	3	3	3	3	-	1	1	3	3	1	3	3	3
Anisole	100%	-	-	1	-	-	2	3	-	3	3	-	2	-	-	3	3	-	-	-	-	-	1	1	3	3	3	3	3	3
Apple juice		1	1	1	-	-	1	1	-	1	1	-	1	-	-	1	-	1	1	-	-	-	1	1	1	-	1	-	1	-
Arsenic acid		1	1	2	-	-	1	1	-	1	1	-	3	3	-	1	1	-	-	2	3	-	1	1	1	-	1	1	1	1
Ascorbic acid		-	-	1	-	-	1	1	-	1	1	-	1	-	-	-	-	3	3	-	-	-	1	1	1	-	1	-	1	-
Barium carbonate	Saturated	1	1	1	1	-	1	1	-	1	1	1	1	-	-	1	1	-	-	1	-	-	1	1	1	1	1	1	1	1
Barium chloride	Saturated	1	1	1	-	-	1	1	-	1	1	-	1	-	-	-	-	1	1	-	-	-	1	1	1	1	1	1	1	1
Barium Hydroxide	Saturated	1	1	1	-	-	1	1	-	1	1	1	1	-	-	-	-	-	-	-	-	-	1	1	1	-	1	1	1	1
Barium sulfide	Saturated	1	1	1	-	-	1	1	-	1	1	1	1	-	-	-	-	-	-	1	-	-	1	1	1	-	1	-	1	1
Beer		1	1	1	1	-	1	1	1	1	1	1	1	1	-	1	-	1	1	1	1	-	1	1	1	-	1	-	1	-
Benzaldehyde		2	3	2	-	-	2	2	-	1	3	-	1	-	-	3	3	1	-	3	3	-	1	1	2	3	3	3	3	3
Benzene	100%	-	-	1	-	-	3	3	-	2	3	3	1	1	-	3	3	3	3	3	3	-	1	1	3	3	2	2	3	3
Gasoline (Aliphatic Hydrocarbons)		3	3	1	-	-	2	3	-	3	3	3	1	2	-	3	3	-	-	2	3	-	1	1	3	3	1	2	2	-
Benzoic, acid	Saturated	1	1	3	3	3	1	1	-	1	2	-	1	3	3	1	1	1	1	1	1	-	1	1	2	-	1	1	2	-
Benzoyl chloride	100%	-	-	3	3	3	2	2	-	2	3	-	2	-	-	-	-	-	-	-	-	-	1	1	1	-	2	-	3	3

CHEMICAL RESISTANCE

Chemicals	°C	PB		PA66			PE			PP			POM			PS		ABS		PVC			PTFE		EPDM		FPM		NBR*	
	Conc%	20	60	20	60	100	20	40	60	20	60	100	20	60	100	20	50	20	50	20	40	60	20	50	20	50	20	50	20	50
Benzyl alcohol	100%	-	-	3	3	3	3	3	3	3	3	-	1	-	-	3	3	-	-	2	2	-	1	1	2	-	1	-	3	3
Benzyl chloride	100%	-	-	1	-	-	3	3	-	3	3	3	2	-	-	3	3	-	-	3	3	3	1	-	3	3	1	-	3	3
Benzyl ether		-	-	1	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	1	-	2	-	3	3	3	3
Boric, acid	10%	1	1	1	-	-	1	1	-	1	-	-	2	2	-	1	1	1	1	1	1	-	1	1	1	-	1	1	1	1
Boric, acid	Aqueous	-	-	2	2	-	1	1	-	1	1	-	2	2	-	-	-	1	1	-	-	-	1	1	1	-	1	1	1	1
Brackish water		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1								
Bromic, acid	Saturated	-	-	3	3	-	-	-	-	3	-	-	3	3	-	-	-			-	-	-	1	-	3	-	1	-	3	3
Bromine, liquid	100%	3	3	3	3	-	3	3	-	3	3	3	3	3	3	3	3	1	1	3	3	3	1	2	3	3	1	2	3	3
Bromine, steams		-	-	3	3	-	3	3	-	3	3	3	3	3	3	-	-	-	-	-	-	-	1	2	3	3	1	2	3	3
Bromobenzene		-	-	1	-	-	3	3	-	3	3	3	1	-	-	3	3	-	-	3	3	3	1	-	3	3	2	-	3	3
Butane	100%	3	3	1	-	-	1	1	-	1	-	-	1	-	-	3	3	-	-	2	-	-	1	1	3	3	1	-	1	-
Butanol	100%	1	-	1	-	-	1	2	-	1	2	2	1	1	-	1	2	-	-	2	3	-	1	1	1	-	2	3	1	-
Butene		-	-	1	-	-	2	2	-	3	3	3	1	-	-	-	-	-	-	1	-	-	1	1	2	-	1	-	2	-
Butter		-	-	1	-	-	1	-	-	1	1	-	1	1	-	1	1	-	-	-	-	-	1	1	2	-	1	-	1	1
Butyl acetate	100%	2	3	1	-	-	1	2	-	2	3	3	1	-	-	3	3	-	-	3	3	3	1	1	2	-	3	3	3	3
Butyl acrilate		-	-	1	-	-	1	1	-	2	-	-	1	2	-	2	3	-	-	3	3	3	1	1	3	3	3	3	3	3
Butyl ether		-	-	1	-	-	2	3	3	2	3	3	1	-	-	-	-	-	-	3	3	3	1	1	3	3	3	3	3	3
Butylene glycol	Saturated	-	-	1	-	-	1	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	1	1	1	-	3	3	1	-
Butylphenol	Saturated	-	-	2	-	-	1	-	-	1	1	-	3	3	-	-	-	-	-	3	3	3	1	1	3	3	2	-	3	3
Butyric acid	(PB20%)	1	2	2	2	-	3	3	3	3	3	3	3	3	3	3	3	-	-	3	3	3	1	1	3	3	2	3	3	3
Calcium bicarbonate	Saturated	1	1	1	1	-	1	1	-	1	1	1	1	1	-	1	1	-	-	1	1	-	1	1	1	1	1	1	1	1
Calcium carbonate	Saturated	1	1	2	-	-	-	-	-	1	1	-	2	3	-	-	-	1	1	-	-	-	1	-	2	-	2	-	2	-
Calcium chloride		1	1	1	-	-	1	1	-	1	1	1	2	-	-	1	1	-	-	1	2	-	1	1	1	-	1	1	1	1
Calcium hydroxyde	Aqueous	1	1	1	-	-	1	1	-	1	1	-	1	1	-	1	1	-	-	-	-	-	1	1	1	-	1	1	1	-
Calcium hydroxyde		-	-	1	-	-	1	1	-	1	1	-	1	1	-	1	1	-	-	1	1	-	1	1	1	-	1	1	1	-
Calcium Hypochlorite	Saturated.	1	1	1	3	-	1	1	-	1	1	-	1	-	-	1	2	-	-	1	3	-	1	1	1	-	1	2	3	3
Calcium Hypochlorite	Aqueous	1	1	3	3	3	-	-	-	1	1	-	1	-	-	1	2	-	-	-	-	-	1	1	1	-	1	2	3	3
Calcium nitrate	50%	1	1	1	-	-	1	1	-	1	1	-	2	-	-	1	1	-	-	1	-	-	1	1	1	-	1	-	3	3
Calcium nitrate aqueous		1	1	1	-	-	1	1	-	1	1	-	2	-	-	-	-	-	-	-	-	-	1	1	1	-	1	-	1	1
Calcium phosphate		-	-	1	1	-	1	1	-	1	1	-	1	1	-	1	1	-	-	1	1	-	1	1	1	1	1	1	1	1
Calcium sulfate	Saturated	1	1	1	1	-	1	1	-	1	1	-	1	1	-	1	1	1	1	1	2	-	1	1	1	1	1	1	1	1
Calcium sulfide		-	-	1	-	-	2	2	-	1	1	-	1	-	-	-	-	-	-	1	-	-	1	1	1	-	1	-	2	2
Calcium, acetate		-	-	1	-	-	1	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	1	1	1	-	3	3	3	3
Camphor oil		-	-	1	-	-	3	3	-	3	3	3	1	-	-	-	-	1	1	3	3	-	1	-	3	3	2	-	1	-
Carbon dioxide	Saturated	1	1	1	-	-	1	2	-	1	1	-	1	1	-	-	-	-	-	1	2	-	1	1	1	-	1	1	1	1
Carbon dioxide		-	-	1	-	-	1	1	-	1	1	-	1	1	-	1	1	-	-	-	-	-	1	1	1	-	1	1	1	1
Carbon dioxide, dry	Saturated	-	-	1	-	-	1	1	-	1	1	-	1	1	-	-	-	-	-	1	2	-	1	1	1	-	1	1	1	1
Carbon dioxide, dump		1	1	1	-	-	1	1	-	1	1	-	1	1	-	-	-	-	-	1	2	-	1	1	1	-	1	1	1	1
Carbon disulfide	100%	3	3	3	-	-	3	3	-	3	3	-	3	3	-	3	3	3	3	3	3	-	1	-	3	3	1	-	3	3
Carbon tetrachloride		3	3	3	3	3	3	3	3	3	3	-	1	2	-	3	3	-	-	3	3	3	1	1	3	3	1	1	3	3
Carbon tetrachloride	100%	-	-							3	3	3						3	3											
Castor oil	100%	1	1	1	-	-	1	1	-	1	1	-	1	-	-	1	1	1	1	1	-	-	1	1	2	-	1	-	1	-
Chlorine	10%	3	3	3	3	-	2	3	-	3	3	3	3	3	3	3	3	1	1	1	1	-	1	1	1	-	2	-	3	3
Chlorine	97%	3	3	3	3	-	3	3	-	3	3	3	3	3	3	3	3	-	-	3	3	-	1	-	3	3	2	-	3	3
Chloroacetic acid	50%	3	3	3	3	-	1	2	-	1	1	-	3	3	-	-	-	-	-	1	-	-	1	1	1	-	2	-	3	3
Chloroacetophenone		-	-	2	-	-	1	1	-	1	1	-	2	-	-	3	3	-	-	3	3	3	2	-	2	-	3	3	3	3

CHEMICAL RESISTANCE

Chemicals	°C / Conc%	PB		PA66			PE			PP			POM			PS		ABS		PVC			PTFE		EPDM		FPM		NBR*	
		20	60	20	60	100	20	40	60	20	60	100	20	60	100	20	50	20	50	20	40	60	20	50	20	50	20	50	20	50
Chlorobenzene		3	3	3	3	-	2	3	3	2	3	3	1	-	-	3	3	-	-	3	3	-	1	-	3	3	3	3	3	3
Chloroethane	100%	-	-	1	-	-	2	3	3	2	3	3	1	-	-	3	3	-	-	3	3	-	1	-	3	3	2	-	3	3
Chloroethanol	100%			3	3	3	1	1	-	1	-	-	2	3	-	-	-	-	-	-	-	-	1	-	2	-	3	3	3	3
Chloroform	100%	2	3	2	3	-	3	3	-	2	3	3	3	3	-	3	3	3	3	3	3	-	1	-	3	3	2	3	3	3
Chlorosulfonic acid	100%	-	3	3	3	-	3	3	-	3	3	3	3	3	3	3	3	3	3	3	3	-	1	-	3	3	3	3	3	3
Chlorotoluene		-	-	2	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1	-	3	3	1	-	3	3
Chromic acid	≤ 40%	1	1	3	3	3	1	-	-	2	2	3	3	3	-	1	-	1	3	1	-	-	1	1	3	3	1	1	3	3
Chromic acid	50%	1	-	3	3	3	2	3	-	2	2	3	3	3	-	2	2	-	-	1	2	-	1	1	3	3	1	-	3	3
Citric acid	10	1	1	1	1	-	1	1	-	1	1	1	1	3	3	1	1	-	-	1	2	-	1	1	1	-	1	1	1	1
Citric acid	50%	1	1	2	-	-	1	1	-	1	1	-	1	-	-	1	-	-	-	-	-	-	1	1	1	-	1	-	1	1
Citric acid	Saturated	-	-	2	-	-	1	1	-	1	1	-	1	-	-	1	1	-	-	1	1	-	1	1	1	-	1	-	1	1
Cleaning agents		1	1	1	-	-	1	1	-	1	1	-	-	-	-	-	-	-		1	-	-	1	1	1	-	1	1	1	-
Clorine water	Saturated	3	3	3	3	-	3	-	-	2	3	-	3	3	-	3	3	-	-	2	2	-	1	1	2	-	1	-	3	3
Coconut oil		1	1	1	-	-	1	2	-	1	1	-	1	-	-	-	-	1	1	1	2	-	1	1	3	3	1	1	1	1
Cod-liver oil		-	-	1	-	-	1	2	-	1	2	-	1	-	-	1	1	-	-	1	-	-	1	1	2	-	1	-	1	-
Colza oil		-	-	1	-	-	-	-	-	1	2	-	1	-	-	-	-	-	-	-	-	-	1	1	1	-	1	-	1	2
Copper acetate		-	-	2	-	-	1	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	1	1	1	-	2	-	2	2
Copper sulfate	Saturated	1	1	1	-	-	1	1	-	1	1	-	1	-	-	1	1	-	-	1	2	-	1	1	1	-	1	1	1	-
Cotton oil		1	1	1	-	-	-	-	-	1	1	-	1	-	-	-	-	1	1	-	-	-	1	1	2	-	1	-	1	-
Cresol	> 90%	3	3	3	3	3	3	3	3	1	2	-	3	3	3	3	3	-	-	3	3	-	1	1	3	3	1	-	3	3
Cupric chloride	Saturated	1	1	2	-	-	1	2	-	1	2	-	1	-	-	-	-	-	-	-	-	-	1	1	1	-	1	1	1	-
Cupric nitrate	Saturated	1	1	1	-	-	1	1	-	1	1	1	1	-	-	1	-	-	-	1	-	-	1	1	1	-	1	1	3	3
Cuprous chloride		1	1	2	-	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-	-	1	1	1	-	1	1	1	-
Cuprous cyanide	Saturated	1	1	1	-	-	1	1	-	1	2	-	1	-	-	-	-			1	-	-	1	1	1	-	1	1	1	-
Cyclohexane	100%	-	-	1	-	-	2	3	3	2	3	-	1	1	-	3	3	3	3	1	2	-	1	1	3	3	1	-	1	-
Cyclohexanol	100%	1	1	1	1	-	1	1	-	1	2	-	1	-	-	2	2	-	-	2	3	-	1	1	3	3	3	3	2	2
Cyclohexanone	100%	1	2	1	-	-	2	3	-	2	3	3	1	-	-	3	3	-	-	3	3	3	1	1	3	3	3	3	3	3
Decaline	100%	-	-	1	-	-	2	3	-	3	3	3	1	-	-	3	3	-	-	2	-	-	1	1	3	3	1	1	3	3
Decane		-	-	1	-	-	-	-	-	2	-	-	1	1	-	-	-	-	-	-	-	-	1	-	3	3	1	-	2	2
Detergent:		1	1																											
dextrin	Aqueous	1	1	1	1	1	1	1	-	1	1	-	1	1	-	1	1	-	-	1	1	-	1	1	1	1	1	1	1	1
Dibutyl phthalate	100%	-	-	1	-	-	2	2	-	1	2	-	1	-	-	3	3	-	-	3	3	3	1	1	2	-	1	2	3	3
Dichloraacetic acid	50%	-	-	3	3	-	1	1	-	1	1	-	3	3	-	-	-	-	-	2	2	-	1	1	3	3	3	3	3	3
Dichloraacetic acid	100%	-	-	3	3	-	2	2	-	1	2	-	3	3	-	-	-	-	-	1	2	-	1	1	3	3	3	3	3	3
Dichlorobenzene		-	-	1	-	-	2	3	-	2	3	-	1	-	-	3	3	-	-	3	3	-	1	-	3	3	1	-	3	3
Dichloroethylene	100%	-	-	2	-	-	3	3	3	2	-	-	3	3	3	3	3	-	-	3	3	3	1	-	3	3	2	3	3	3
Dichloromethane		-	-	2	3	-	3	3	3	2	3	-	2	-	-	3	3			3	3	-	1	1	3	3	2	2	3	3
Dichloropropane		-	-	3	-	-	-	-	-	3	3	3	2	-	-	3	3	-	-	-	-	-	1	-	3	3	2	-	3	3
Dicycloexyl amine		-	-	1	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	1	-	3	3	3	3	3	3
Dicycloexyl phthalate		-	-	1	-	-	-	-	-	1	2	-	2	-	-	-	-	-	-	-	-	-	1	-	2	-	3	3	3	3
Diesel fuel		3	3	1	1	-	1	2	-	1	3	-	1	1	-	-	-	-	-	-	-	-	1	1	3	3	1	-	1	1
Diethanolamine	100%	-	-	1	-	-	-	-	-	1	-	-	1	1	-	1	-	-	-	1	-	-	1	-	2	-	2	-	3	3
Diethyl ether	100%	2	3	1	1	-	3	3	-	3	3	-	1	2	-	3	3	-	-	3	3	-	1	1	3	3	3	3	3	3
Diethylamine		-	-	1	-	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-	3	3	3	3
Diethylbenzene				1	-	-	3	3	-	3	3	-	1	-	-	3	3	-	-	3	3	-	1	-	3	3	1	-	3	3
Diethylene glycol	100%	-	-	2	-	-	1	1	-	1	1	-	1	-	-	1	1	-	-	2	3	-	1	1	1	-	1	-	2	-

CHEMICAL RESISTANCE

Chemicals	°C / Conc%	PB		PA66			PE			PP			POM			PS		ABS		PVC			PTFE		EPDM		FPM		NBR*	
		20	60	20	60	100	20	40	60	20	60	100	20	60	100	20	50	20	50	20	40	60	20	50	20	50	20	50	20	50
Difluoroethane		2	3	1	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-	3	3	1	-
Difluoromethane		2	3	1	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-	3	3	1	-
Difluoromonochloromethane		2	3	1	-	-	-	-	-	3	3	3	1	-	-	3	3	-	-	3	3	3	1	-	1	-	3	3	3	3
Diglycolic acid	30%	-	-	2	-	-	1	1	-	1	1	-	2	-	-	-	-	-	-	-	-	-	1	1	1	-	1	1	3	3
Diisopropyl ether		-	-	3	3	-	3	3	-	2	3	-	-	-	-	3	3	-	-	3	3	3	1	1	3	3	3	3	3	3
Dimethyl ether		-	-	1	-	-	2	-	-	3	3	-	1	-	-	3	3	-	-	3	3	-	1	-	2	-	3	3	3	3
Dimethyl fhthalate		-	-	1	-	-	3	3	-	1	2	-	1	-	-	3	3	-	-	3	3	-	1	1	2	-	1	-	3	3
Dimethyl formamide	100%	-	-	1	-	-	1	2	-	1	1	-	1	1	-	3	3	-	-	2	3	-	1	1	1	-	3	3	3	3
Dimethylamine	100%	3	3	1	-	-	1	2	-	1	2	-	2	-	-	-	-	-	-	3	3	-	1	1	2	-	3	3	3	3
Dioctyl phthalate	100%	2	3	1	-	-	3	3	-	3	3	-	2	-	-	3	3	-	-	3	3	-	1	-	2	-	1	2	3	3
Dioxane	100%	-	-	1	-	-	1	2	-	2	2	-	1	1	-	3	3	-	-	3	3	-	1	1	1	-	3	3	3	3
Diphenyl ether		-	-	2	-	-	2	-	-	3	3	-	1	1	-	3	3	-	-	3	3	-	1	-	3	3	2	-	3	3
Ethyl acetate	100%	2	3	1	-	-	2	3	-	1	2	3	1	1	-	3	3	-	-	3	3	-	1	1	2	-	3	3	3	3
Ethyl alcohol	50%	1	1	1	-	-	1	1	-	1	1	-	1	1	-	1	-	-	-	1	2	-	1	1	1	-	1	-	1	1
Ethyl alcohol	96%	1	1	1	-	-	1	2	-	1	1	1	1	1	-	2	3	-	-	2	2	-	1	1	1	-	2	-	2	2
Ethyl alcohol	40%%	1	1	1	-	-	1	1	-	1	1	-	1	1	-	1	2	-	-	1	-	-	1	1	1	-	1	-	1	1
Ethyl benzoate				2	-	-	2	2	-	1	2	-	1	-	-	3	3	-	-	3	3	-	1	-	2	-	2	-	3	3
Ethyl chloroacetate				2	-	-	1	1	-	1	1	-	2	-	-	3	3	-	-	2	3	3	1	1	2	-	3	3	3	3
Ethylbenzene				2	-	-	2	3	-	2	3	-	1	-	-	3	3	-	-	3	3	-	1	-	3	3	2	-	3	3
Ethylene glycol	100%	1	1	2	2	-	1	1	-	1	1	1	1	1	-	1	1	1	1	1	1	-	1	1	1	-	1	1	1	1
Ethylene oxide		-	-	2	-	-	2	3	3	2	2	-	1	-	-	3	3	-	-	2	3	-	1	-	3	3	3	3	3	3
Etylene		-	-	1	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	1	-	2	-	2	-	2	2
Fluorine		-	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	-	-	1	1	3	3	2	-	3	3
Fluorobenzene		-	-	1	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	1	-	3	3	2	-	3	3
Formaldehyde solution	10%	1	1	2	2	-	1	1	-	1	1	-	1	1	-	3	3	-	-		2	-	1	1	1	-	2	-	1	-
Formaldehyde solution	30%	-	-	2	2	-	1	1	-	1	1	-	1	1	-	3	3	-	-	-	-	-	1	1	1	-	2	-	1	-
Formaldehyde solution	40%	-	-	2	2	-	1	2	-	1	2	-	1	1	-	3	3	1	1	-	2	-	1	1	1	-	2	-	2	-
Formamide	Techn. pure	-	-	1	-	-	1	-	-	1	1	-	1	-	-	1	-	-	-	-	3	-	1	1	2	-	1	2	3	3
Formic acid	3%	1	1	2	3	-	1	1	-	1	1	2	1	3	3	1	1	1	1	-	2	-	1	1	2	-	2	-	3	3
Formic acid	50%	-	-	3	3	-	1	1	-	1	1	-	3	3	3	2	2	-	-	-	2	-	1	1	2	3	3	3	3	3
Formic acid	100%	-	-	3	3	-	1	1	-	1	2	2	3	3	3	2	3	-	-	-	3	3	1	1	2	3	3	3	3	3
Fructosw	Aqueous	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	-	1	1	1	-	1	1	1	1
Fruit juice		1	1	1	-	-	1	1	-	1	1	1	1	1	-	-	-	1	1	1	-	-	1	1	1	-	1	-	1	1
Gelatin		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	1	1	1	1	1	1	1	1
Glucose	20%	1	1	1	-	-	1	1	-	1	1	1	1	-	-	-	-	-	-	-	-	-	1	1	1	-	1	-	1	-
Glycerol		1	1	1	-	-	1	1	-	1	1	-	1	-	-	1	1	-	-	-	1	-	1	1	1	-	1	1	1	-
Glycine	10%			1	1	-	1	1	-	1	1	-	1	1	-	-	-	-	-	-	2	-	1	1	1	1	1	-	2	2
Glycolic acid	30%	1	1	3	3	3	1	-	-	1	1	-	2	-	-	-	-	-	-	-	-	-	1	1	1	-	1	-	1	-
Glycolic acid	70%	-	-	3	3	3	1	1	-	1	1	-	2	-	-	-	-	-	-	-	-	-	1	1	1	-	2	-	2	-
Heptane	100%	3	3	1	-	-	2	3	-	1	3	-	1	1	-	3	3	-	-	3	3	-	1	1	3	3	1	1	1	1
Hexane		3	3	1	-	-	2	2	-	1	2	-	1	1	-	3	3	-	-	2	3	-	1	1	3	3	1	1	1	1
Hexene	100%	3	3	1	-	-	-	-	-	1	2	-	1	-	-	2	-	-	-	-	-	-	1	-	3	3	1	-	3	3

CHEMICAL RESISTANCE

Chemicals	°C	PB		PA66			PE			PP			POM			PS		ABS		PVC			PTFE		EPDM		FPM		NBR*	
	Conc%	20	60	20	60	100	20	40	60	20	60	100	20	60	100	20	50	20	50	20	40	60	20	50	20	50	20	50	20	50
Hydrazine	10%	-	-	3	3	3	1	-	-	1	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-	2	3	3	3
Hydrobromic, acid	20%	1	1	-	-	-	1	1	-	1	-	-	-	-	-	-	-	1	-	1	-	-	1	1	-	-	1	-	3	3
Hydrobromic, acid	50%	-	-	3	3	-	1	1	-	1	2	3	3	3	-	3	3	1	3	1	2	-	1	1	2	-	1	-	3	3
Hydrofluoric acid	4%	1	1	3	3	-	1	1	-	1	1	-	3	3	-	1	2	1	2	1	2	-	1	1	2	-	1	2	2	-
Hydrofluoric acid	50%	1	1	3	3	-	1	1	-	1	1	-	3	3	-	3	3	1	3	2	2	-	1	1	2	3	1	2	2	3
Hydrofluoric acid	70%	1	1	3	3	-	1	2	-	1	2	-	3	3	-	3	3	3	3	2	3	-	1	1	2	3	2	-	3	3
Hydrogen	100%	1	1	1	-	-	1	1	-	1	1	-	-	-	-	1	-	-	-	-	1	-	1	1	1	-	1	-	1	1
Hydrogen chloride	2% a 7%	3	3	3	3	-	1	1	-	1	1	1	3	3	3	1	1	1	1	1	1	-	1	1	1	-	1	1	2	3
Hydrogen chloride	10%a 20%	3	3	3	3	-	1	1	-	1	1	-	3	3	3	1	1	1	2	1	2	-	1	1	1	-	1	1	3	3
Hydrogen chloride	35%	3	3	3	3	-	1	1	-	1	2	2	3	3	3	2	2	1	3	2	2	-	1	1	2	-	1	2	3	3
Hydrogen peroxide	3%	1	1	2	-	-	1	1	-	1	1	-	1	-	-	1	1	1	3	1	1	2	1	1	1	-	1	-	2	3
Hydrogen peroxide	30%	1	1	3	3	-	1	2	-	1	-	-	3	3	-	1	2	2	3	1	2	2	1	1	2	-	1	1	3	3
Hydrogen peroxide	100%	3	3	3	3	-	1	3	-	3	3	-	3	3	-	3	3	-	-	-	-	-	1	-	2	-	1	-	3	3
Hydrogen sulfide	100%	-	-	1	-	-	1	1	-	1	1	-	1	-	-	2	-	-	-	2	2	-	1	1	1	-	2	-	3	3
Hydroquinone	Saturated	1	1	3	3	3	1	2	-	1	-	-	2	-	-	3	3	-	-	-	-	-	1	1	3	3	3	3	3	3
Iodine, tinture of		3	3	3	3	-	1	2	-	1	1	-	1	1	-	2	2	-	-		3	-	1	1	1	-	1	1	2	2
Isoamyl alcohol		-	-	1	-	-	-	-	-	1	1	-	1	-	-	1	2	-	-	-	-	-	1	1	2	-	1	3	2	2
isobutanol		1	-	1	-	-	1	1	-	1	1	-	1	-	-	1	1	-	-	-	-	-	1	-	1	-	1	-	2	3
Isobutyl acetate		-	-	1	-	-	-	-	-	2	-	-	1	-	-	3	3	-	-	-	3	-	1	-	1	-	3	3	3	3
Isopropyl acetate		-	-	1	-	-	1	2	-	1	2	-	1	-	-	3	3	-	-	2	3	-	1	1	2	-	3	3	3	3
Isopropyl alcohol	100%	-	-	1	-	-	1	1	-	1	1	1	1	-	-	1	1	-	-	3	3	-	1	1	1	-	1	1	2	2
Kerosene		-	-	1	-	-	2	3	-	2	2	-	1	1	-	3	3	-	-	-	-	-	1	1	3	3	1	-	1	-
Lactic acid	≤90%	1	1	2	3	-	1	1	-	1	1	-	2	3	-	1	1	1	1	-	2	-	1	1	2	3	1	1	1	3
Lactose		-	-	1	1	1	1	1	-	1	1	1	1	1	-	1	1	-	-	1	1	-	1	1	1	1	1	1	1	1
Lanolin		-	-	1	-	-	2	2	-	2	2	-	1	-	-	1	1	-	-	-	2	-	1	1	3	3	1	1	1	1
Lauryl alcohol		-	-	1	-	-	-	-	-	1	1	-	1	-	-	1	1	-	-	-	-	-	1	1	2	-	1	-	2	2
Lead acetate		1	1	2	-	-	1	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	1	1	1	-	1	1	1	1
Lead nitrate		-	-	2	-	-	1	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	1	1	1	-	1	-	1	-
Lead sulfate		-	-	2	-	-	1	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	-
Lithium bromide		-	-	2	-	-	1	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	1	1	1	-	1	-	1	-
Magnesium bromide		-	-	2	-	-	1	1	-	1	1	-	1	1	-	1	1	-	-	-	-	-	1	1	1	1	1	-	1	-
Magnesium carbonate	Saturated	1	1	1	-	-	1	1	-	1	1	-	1	1	-	1	1	-	-	1	1	-	1	1	1	1	1	1	1	1
Magnesium chloride	Saturated	1	1	1	-	-	1	1	-	1	1	-	1	1	-	1	1	-	-	1	1	-	1	1	1	1	1	1	1	-
Magnesium hidroxide	Saturated	1	1	1	-	-	1	1	-	1	1	-	1	1	-	1	1	-	-	1	1	-	1	1	1	1	1	1	1	1
Magnesium nitrate	Saturated	1	1	1	-	-	1	1	-	1	1	-	1	1	-	1	-	-	-	1	-	-	1	1	1	1	1	-	1	-
Magnesium sulfat	Saturated	1	1	1	-	-	1	1	-	1	1	-	1	-	-	1	1	1	1	1	-	-	1	1	1	1	1	1	1	-
Maleic acid	Saturated	1	1	3	3	-	1	1	-	1	1	-	2	-	-	-	-	1	1	1	-	-	1	1	3	3	1	1	3	3
Maleic acid	Aqueous	1	1	3	3	-	1	1	-	1	1	-	2	-	-	-	-	1	1	1	-	-	1	1	3	3	1	1	1	1
Menthol		-	-	2	-	-	2	3	-	1	2	-	1	-	-	3	3	-	-	-	-	-	1	1	2	-	1	-	2	2
Mercuric nitrate	Saturated	1	1	1	-	-	1	1	-	1	1	-	2	-	-	1	-	-	-	1	-	-	1	1	1	-	1	1	1	2
Mercuric chloride	Aqueous	1	1	3	3	-	1	1	-	1	1	-	2	-	-	1	2	1	3	1	-	-	1	1	1	-	1	1	1	2
Mercuric cyanide	Saturated	1	1	2	-	-	1	1	-	1	1	-	2	-	-	-	-	-	-	-	-	-	1	1	1	-	1	1	1	-
Mercury	100%	1	1	1	-	-	1	1	-	1	1	-	1	1	-	1	1	-	-	1	1	-	1	1	1	1	1	1	1	1

CHEMICAL RESISTANCE

Chemicals	°C	PB		PA66			PE			PP			POM			PS		ABS		PVC			PTFE		EPDM		FPM		NBR*	
	Conc%	20	60	20	60	100	20	40	60	20	60	100	20	60	100	20	50	20	50	20	40	60	20	50	20	50	20	50	20	50
Methyl acetate	100%	-	-	1	-	-	1	-	-	1	2	-	1	-	-	3	3	-	-	3	3	-	1	1	2	-	3	3	3	3
Methyl acrylate		-	-	1	-	-	-	-	-	1	-	-	1	-	-	3	3	-	-	-	-	-	1	-	3	3	3	3	3	3
Methyl alcohol		1	1	1	-	-	1	1	-	1	1	-	1	1	-	2	3	3	3	2	2	-	1	1	1	-	2	3	2	2
Methyl benzene		-	-	1	-	-	2	3	-	2	3	-	1	2	-	3	3	-	-	3	3	-	1	-	3	3	2	2	3	3
Methyl bromide	100%	-	-	1	-	-	3	3	-	3	3	3	1	-	-	3	3	-	-	3	3	3	1	-	3	3	1	-	3	3
Methyl butyl ketone		-	-	1	-	-	-	-	-	2	-	-	1	-	-	3	3	-	-	-	-	-	1	-	1	-	3	3	3	3
Methyl dichloroacetate		-	-	2	-	-	-	-	-	1	1	-	2	-	-	-	-	-	-	-	-	-	1	1	3	3	3	3	3	3
Methyl ethyl ether	100%	-	-	1	-	-	-	-	-	2	-	-	1	-	-	3	3	-	-	-	-	-	1	-	3	3	3	3	3	3
Methyl ethyl ketone	100%	-	-	1	-	-	2	3	-	1	2	-	1	1	-	3	3	-	-	3	3	-	1	1	2	-	3	3	3	3
Methyl isobutyl ketone		-	-	1	-	-	1	2	-	1	3	-	1	-	-	3	3	-	-	3	3	-	1	1	3	3	3	3	3	3
Methyl isopropyl ketone		-	-	1	-	-	-	-	-	2	-	-	1	-	-	3	3	-	-	-	-	-	1	-	2	-	3	3	3	3
Methyl methacrylate	100%	-	-	1	-	-	-	-	-	1	-	-	1	-	-	3	3	-	-	3	3	-	1	1	3	3	3	3	3	3
Methyl propyl ketone		-	-	1	-	-	1	2	-	1	2	-	1	-	-	3	3	-	-	-	-	-	1	-	2	-	3	3	3	3
Methyl sulfuric acid	50%	-	-	3	3	-	-	-	-	1	3	-	3	3	-	-	-	-	-	-	-	-	1	1	1	-	3	3	3	3
Methylamine	32%	-	-	3	3	-	1	-	-	1	-	-	1	-	-	-	-	-	-	2	3	-	1	-	1	-	3	3	3	3
Methylchloroacetate	Techn.pure	-	-	2	-	-	-	-	-	1	1	-	2	-	-	3	3	-	-	-	-	-	1	-	2	-	3	3	3	3
Methylcycloexane		-	-	1	-	-	2	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	1	-	3	3	1	-	3	3
Methylcyclopentane		-	-	1	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	1	-	3	3	1	-	3	3
Methylene chloride	100%	1	2	3	3	-	2	-	-	3	3	3	1	-	-	3	3	3	3	3	3	-	1	-	3	3	3	3	3	3
Milk		1	1	1	-	-	1	1	-	1	1	1	1	1	-	1	1	-	-	3	1	-	1	1	2	-	1	-	1	-
Mineral oil		2	3	1	-	-	1	2	-	1	2	-	1	1	-	1	1	-	-	1	1	-	1	1	3	3	1	1	1	1
Monochloroethane		-	-	1	-	-	2	3	-	2	3	-	1	-	-	3	3	-	-	3	3	-	1	-	3	3	2	-	3	3
Morpholine	Techn.pure	-	-	2	-	-	1	1	-	1	1	-	2	-	-	-	-	-	-	-	-	-	1	1	2	-	1	2	3	3
Motor oil		2	3	1	-	-	-	-	-	1	2	-	1	1	-	-	-	-	-	-	-	-	1	-	3	3	1	-	1	-
Naphtha		3	3	1	-	-	2	3	-	1	3	3	1	-	-	2	-	1	3	-	-	-	1	1	3	3	1	1	3	3
Naphthalene	100%	2	3	1	-	-	1	2	-	1	2	-	1	1	-	2	3	3	3	3	3	-	1	1	3	3	1	1	3	3
Nickel acetate		1	1	2	-	-	1	1	-	1	1	-	1	-	-	-	-			-	-	-	1	1	1	-	2	-	2	-
Nickel chloride	Saturated	1	1	1	-	-	1	1	-	1	1	-	1	-	-	-	-	-	-	1	1	-	1	1	1	-	1	-	1	-
Nickel sulfate	Saturated	1	1	1	-	-	1	1	-	1	1	-	1	-	-	1	1	-	-	1	1	-	1	1	1	-	1	1	1	1
Nickelous nitrate	Saturated	1	1	2	-	-	1	1	-	1	1	-	1	-	-	1	-	-	-	1	1	-	1	1	1	-	1	-	1	-
Nitric acid	1-10	2	3	3	3	-	1	1	-	1	2	3	3	3	-	1	3	3	3	-	-	-	1	1	1	-	1	1	3	3
Nitric acid	50%	3	3	3	3	3	2	3	-	2	3	3	3	3	3	3	3	3	3	2	2	-	1	1	3	3	1	-	3	3
Nitric acid	100%	3	3	3	3	-	3	3	-	3	3	3	3	3	-	-	-	3	3	3	3	-	1	1	3	3	3	3	3	3
Nitro benzoic acid		-	-	2	-	-	1	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-	1	-	2	-	2	-	1	-
Nitrobenzene	100%	-	-	3	3	3	3	3	-	1	3	3	2	-	-	3	3	-	-	3	3	-	1	1	3	3	3	3	3	3
Nitroethane		-	-	2	-	-	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-	1	-	2	-	3	3	3	3
Nitropropane		-	-	2	-	-	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-	1	-	2	-	3	3	3	3
Nitrotoluene		-	-	3	3	-	1	2	-	1	2	-	2	-	-	3	3	-	-	3	3	3	1	1	3	3	3	3	3	3
Nonyl alcohol		-	-	1	-	-	1	-	-	1	1	-	1	-	-	1	-	-	-	-	-	-	1	-	1	-	1	-	2	2
Octane		-	-	1	-	-	1	1	-	1	1	-	1	-	-	3	3	-	-	2	3	-	1	-	3	3	1	-	2	2
Oils and fats vegetable		1	1	1	-	-	1	2	-	1	2	-	1	-	-	2	-	-	-	2	2	-	1	1	2	2	1	1	2	-
Oils essential		-	-	1	-	-	2	3	-	2	3	-	1	-	-	-	-	-	-	-	-	-	1	-	3	3	1	2	2	-
Oleic acid	100%	-	-	1	-	-	1	2	-	1	2	-	1	-	-	1	2	-	-	-	-	-	1	1	3	3	1	1	2	-
Oleum		3	3	3	3	-	3	3	-	3	3	3	3	3	-	3	3	-	-	3	3	-	1	-	3	3	1	-	3	3
Olive oil		1	1	1	-	-	1	2	-	1	1	-	1	1	-	1	1	1	1	-	-	-	1	1	3	3	1	1	1	1

CHEMICAL RESISTANCE

Chemicals	°C	PB		PA66			PE			PP			POM			PS		ABS		PVC			PTFE		EPDM		FPM		NBR*	
	Conc%	20	60	20	60	100	20	40	60	20	60	100	20	60	100	20	50	20	50	20	40	60	20	50	20	50	20	50	20	50
Oxalic, acid	Saturated	1	1	2	3	3	1	1	1	1	2	-	3	3	-	1	1	1	3	1	1	-	1	1	1	-	1	1	2	2
Oxygen	100%	-	-	1	-	-	1	2	-	1	2	-	1	-	-	-	-	-	-	1	1	-	1	1	1	-	1	-	2	2
Ozone		-	-	3	3	-	2	3	-	2	3	-	3	3	-	1	1	3	3	1	1	-	1	-	1	-	1	-	3	3
Palm oil		-	-	1	-	-	1	2	-	1	2	-	1	-	-	-	-	-	-	1	-	-	1	1	3	3	1	-	1	1
Palmitic acid	Techn.pure	-	-	1	1	-	2	2	-	2	3	-	1	-	-	1	1	-	-	2	-	-	1	1	3	3	1	1	2	2
Paraffins	100%	-	-	1	-	-	1	1	-	1	1	-	1	1	-	1	-	1	1	1	-	-	1	1	3	3	1	-	1	2
Paraformaldehyde		-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	1	-	2	-	1	-	2	2
Peanut oil		-	-	-	-	-	-	-	-	1	1	-	1	-	-	1	1	1	1	-	-	-	1	1	3	3	1	-	1	-
Pectin		-	-	1	1	-	1	1	-	1	1	-	1	1	-	1	1	-	-	1	1	-	1	1	1	1	1	1	1	1
Pentanol,1		-	-	1	-	-	1	1	-	1	1	-	1	-	-	1	2	-	-	1	2	-	1	1	2	-	1	3	2	-
Pentanone,3		-	-	2	-	-	1	2	-	1	2	-	1	-	-	3	3	-	-	3	3	-	1	1	2	-	2	-	3	-
Perchloric acid	20%	3	3	3	3	-	1	2	-	1	2	-	3	3	3	-	-	-	-	2	2	-	1	1	1	-	1	1	3	3
Perchloric acid	70%	3	3	3	3	-	2	3	-	3	3	-	3	3	-	1	2	-	-	3	3	-	1	1	2	-	1	1	3	3
Perchlorobutadiene		-	-	2	-	-	-	-	-	2	-	-	1	-	-	3	3	-	-	-	-	-	1	-	3	3	1	-	3	3
Petroleum		-	-	1	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	1	-	3	3	1	-	2	2
Petroleum ether				1	-	-	1	2	-	2	2	-	1	1	-	3	3	-	-	1	1	-	1	1	3	3	1	-	1	2
Phenol	10%	-	-	3	3	3	1	1	-	1	1	-	3	3	3	3	3	-	-	2	2	-	1	1	3	3	1	2	3	3
Phenol	90%	-	-	3	3	3	2	3	-	1	1	-	3	3	3	3	3	3	3	3	3	-	1	1	3	3	2	-	3	3
Phenylhydrazine	Techn.pure	-	-	2	-	-	2	-	-	2	3	-	1	-	-	-	-	-	-	3	3	-	1	1	3	3	1	2	3	3
Phosgene	Liquid	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	1	2	-	1	-	2	-
Phosgene	Gas	-	-	1	-	-	2	-	-	2	3	-	1	-	-	-	-	-	-	-	3	-	1	1	2	-	2	-	2	-
Phosphine	Conc.			1	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-	3	3
Phosphoric acid	20%	1	1	3	3	3	1	1	-	1	1	1	3	3	3	-	-	-	-	-	-	-	1	1	1	-	1	1	2	2
Phosphoric acid	85%	-	-	3	3	3	1	1	-	1	1	1	3	3	3	1	1	1	3	-	1	-	1	1	2	-	1	1	3	3
Phosphorus oxychloride	100%	-	-	3	3	3	-	-		1	2	-	3	3	3	-	-	-	-	-	3	3	1	1	1	-	1	1	3	3
Phthalic acid	Saturated	-	-	2	2	-	1	1	-	1	1	-	1	-	-	1	-	-	-	-	3	-	1	1	1	-	1	2	3	3
Picric acid	Saturated	1	2	2	-	-	1	-	-	1	1	-	2	-	-	-	-	-	-	3	3	-	1	-	2	-	1	-	3	3
Piperidine		-	-	2	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	1	-	3	3	3	3	3	3
Potassium acetate				1	-	-	1	-	-	1	1	-	1	1	-	-	-	-	-	1	-	-	1	-	1	1	2	-	2	2
Potassium bisulfate		-	-	3	3	-	1	1	-	1	1	-	1	-	-	1	1	-	-	-	-	-	1	1	1	-	1	-	1	1
Potassium bitartrate	Saturated			1	-	-	1	1	-	1	1	-	1	-	-	-	-	-	-	1	-	-	1	1	1	-	1	-	1	-
Potassium borate	1%	1	1	1	-	-	1	1	-	1	1	-	1	1	-	-	-	-	-	1	2	-	1	1	1	-	1	-	1	-
Potassium borate	10%	-	-	1	-	-	1	1	-	1	1	-	1	1	-	-	-	-	-	1	2	-	1	1	1	-	1	-	1	-
Potassium bromate	Saturated	1	1	1	-	-	1	2	-	1	1	-	1	-	-	1	1	-	-	1	2	-	1	1	1	-	1	1	1	1
Potassium bromide	Saturated	1	1	2	-	-	1	1	-	1	1	-	1	1	-	1	1	-	-	1	2	-	1	1	1	-	1	1	1	1
Potassium carbonate	Saturated	1	1	1	1	-	1	1	-	1	1	-	1	1	-	1	1	-	-	1	1	-	1	1	1	-	1	-	1	1
Potassium chlorate	Saturated	3	3	1	-	-	1	1	-	1	1	-	1	-	-	1	-	1	1	1	1	-	1	1	1	-	1	1	3	3
Potassium chloride	Aqueous	1	1	1	-	-	1	1	-	1	1	-	1	1	-	1	1	1	1	1	1	-	1	1	1	-	1	1	1	1
Potassium chromate	Saturated	1	1	1	-	-	1	-	-	1	1	-	1	-	-	1	1	-	-	1	-	-	1	1	1	-	1	-	2	2
Potassium cyanide	Aqueous	1	1	1	-	-	1	1	-	1	1	-	2	-	-	-	-	-	-	2	3	-	1	1	1	-	1	1	2	2
Potassium dichromate	Saturated	2	3	3	3	-	1	1	-	1	1	-	2	-	-	1	2	-	-	1	2	-	1	1	1	-	1	-	2	2
Potassium fluoride	Saturated	1	1	1	-	-	1	1	-	1	1	-	1	1	-	-	-	-	-	-	-	-	1	1	1	-	1	-	1	-
Potassium hydroxide	10%	1	1	1	-	-	1	1	-	1	1	-	1	1	-	-	-	-	-	-	-	-	1	1	1	-	3	3	2	2
Potassium hydroxide	20%	1	1	1	2	-	1	1	-	1	1	-	2	-1	-	1	-	-	-	1	2	-	1	1	1	-	3	3	2	2
Potassium hydroxide	Conc.	-	-	1	-	-	1	1	-	1	1	-	2	-	-	2	2	-	-	1	2	-	1	1	1	-	3	3	2	2
Potassium hypochlorite		-	-	2	-	-	1	2	-	1	2	-	3	3	-	2	-	-	-	1	-	-	1	1	2	-	1	-	2	2

CHEMICAL RESISTANCE

Chemicals	°C	PB		PA66			PE			PP			POM			PS		ABS		PVC			PTFE		EPDM		FPM		NBR*	
	Conc%	20	60	20	60	100	20	40	60	20	60	100	20	60	100	20	50	20	50	20	40	60	20	50	20	50	20	50	20	50
Potassium iodide	Saturated	-	-	1	-	-	1	1	-	1	1	-	1	1	-	1	1	-	-	1	1	-	1	1	1	-	1	1	1	2
Potassium nitrate	50%	1	1	1	-	-	1	1	-	1	1	-	1	1	-	1	1	-	-	1	1	-	1	1	1	-	1	1	1	1
Potassium perchlorate	Saturated	-	-	1	-	-	1	1	-	1	1	-	1	1	-	-	-	-	-	2	2	-	1	1	1	-	1	1	1	2
Potassium permanganate		1	1	3	3	3	1	2	-	1	1	-	1	1	-	1	2	-	-	1	2	-	1	1	1	-	1	1	3	3
Potassium persulfate	Saturated	1	1	3	3	-	1	1	-	1	1	-	2	-	-	1	-	-	-	1	2	-	1	1	1	-	1	1	3	3
Potassium sulfate	Saturated	1	1	1	-	-	1	1	-	1	1	-	1	1	-	-	-	1	1	-	-	-	1	1	1	1	1	1	1	1
Potassium sulfide		1	1	1	-	-	1	1	-	1	1	-	1	-	-	1	1	-	-	1	-	-	1	1	1	-	1	-	1	-
Potassium sulfite	Saturated	-	-	1	-	-	1	1	-	1	1	-	1	1	-	-	-	-	-	-	-	-	1	1	1	-	1	-	1	-
Propane gaseous		-	-	1	-	-	3	3	-	2	3	-	1	1	-	3	3	-	-	1	2	-	1	1	3	3	1	-	1	-
Propane liquid	100%	1	-	1	-	-	1	-	-	1	-	-	1	1	-	-	-	-	-	2	-	-	1	1	3	3	1	-	1	-
Propionic acid	50%	-	-	2	2	-	1	2	-	1	1	-	3	3	-	3	3	-	-	2	2	-	1	1	2	-	1	1	3	3
Propyl acetate		-	-	1	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	1	-	2	-	3	3	3	3
Propyl alcohol		1	1	1	1	-	1	1	-	1	1	-	1	1	-	2	-	-	-	2	2	-	1	1	1	-	1	1	2	2
Propyl nitrate		-	-	2	-	-	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-	1	-	2	-	3	3	3	3
Propylene		-	-	1	-	-	1	1	-	1	1	-	1	-	-	3	3	-	-	3	3	-	1	1	3	3	1	-	3	3
Propylene glycol		1	1	3	3	-	1	1	-	1	1	-	1	-	-	1	1	-	-	2	3	-	1	1	1	-	1	1	1	2
Propylene oxid		-	-	2	-	-	1	1	-	1	1	-	1	-	-	3	3	-	-	2	3	-	1		-	2	-	3	3	3
Pyridine	100%	-	-	1	-	-	1	2	-	2	2	-	1	1	-	3	3	3	3	3	3	3	1	1	3	3	3	3	3	3
Pyrrole		-	-	2	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	1	-	3	3	3	3	3	3
Refrigerant:		2	3																	-										
Resorcinol	Saturated	-	-	3	3	3	1	1	-	1	1	-	2	-	-	1	2	-	-	2	3	-	1	-	3	-	3	-	3	-
Salicylaldehyde		-	-	2	-	-	1	1	-	1	1	-	2	-	-	3	3	-	-	2	3	-	1	-	2	-	2	-	3	3
Sea water		1	1	1	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-								
Silicone oil		-	-	1	-	-	1	1	-	1	1	1	1	1	-	2	2	-	-	1	3	-	1	1	1	-	1	1	1	1
Silver acetate		-	-	1	-	-	1	1	-	1	1	-	1	-	-	1	1			1	1	-	1	-	1	-	1	-	2	-
Silver nitrate	Saturated	2	3	1	-	-	1	1	-	1	1	2	1	-	-	1	2	-	-	1	2	-	1	1	1	-	1	1	2	2
Sodium acetate	Saturated	1	1	1	-	-	1	1	-	1	1	1	1	1	-	1	1	-	-	2	2	-	1	1	1	-	2	-	2	2
Sodium benzoate	35%	1	1	1	-	-	1	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	1	1	1	-	1	-	1	1
Sodium bicarbonate	Saturated	1	1	1	-	-	1	1	-	1	1	1	1	1	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1
Sodium bisulfate	10%	1	1	3	3	-	1	1	-	1	1	-	1	-	-	-	-	-	-	1	2	-	1	1	1	-	1	-	1	2
Sodium bisulfide	Aqueous	-	-	1	-	-	1	1	-	1	1	-	3	3	-	-	-	-	-	-	-	-	1	1	1	-	1	-	1	-
Sodium bromate				2	-	-	1	2	-	1	1	1	1	1	-	1	1	-	-	1	-	-	1	1	1	-	1	-	1	2
Sodium bromide		1	1	1	-	-	1	1	-	1	1	-	1	1	-	1	1	-	-	1	2	-	1	1	1	-	1	-	1	2
Sodium carbonate	Saturated	1	1	1	-	-	1	1	-	1	1	2	1	1	-	1	1	1	1	1	1	-	1	1	1	1	1	1	1	1
Sodium chlorite	Diluted	-	-	1	3	-	1	2	-	1	2	3	1	-	-	-	-	-	-	3	3	-	1	1	1	-	1	1	3	3
Sodium chlorite	Aqueous	-	-	1	1	-	1	1	-	1	1	-	1	1	-	1	1	-	-	1	1	-	1	1	1	1	1	1	1	1
Sodium chlorite		1	1	1	-	-	1	1	-	1	1	1	1	1	-	1	1	1	1	1	2	-	1	1	1	1	1	1	1	1
Sodium Chromate	Diluted			1	1	-	1	-	-	1	1	-	1	-	-	1	1	-	-	1	2	-	1	1	1	-	1	-	1	2
Sodium clorate		3	3	1	-	-	1	-	-	1	-	-	1	-	-	1	-	1	1	1	2	-	1	1	1	-	1	1	1	2
Sodium clorate	Aqueous	3	3	2	-	-	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-	-	1	1	1	-	1	1	2	2
Sodium cyanide	Aqueous	1	1	1	-	-	1	1	-	1	1	-	2	-	-	-	-	-	-	-	-	-	1	1	1	-	1	-	1	-
Sodium cyanide	Saturated	1	1	1	-	-	1	1	-	1	1	-	2	-	-		-	-	-	-	-	-	1	1	1	-	1	-	2	2
Sodium dichromate	Saturated	-	-	1	-	-	1	1	-	1	1	1	2	-	-	1	1	-	-	-	-	-	1	1	1	-	1	-	2	2
Sodium fluoride	Saturated	1	1	1	-	-	1	1	-	1	1	-	1	1	-	1	-	-	-	1	-	-	1	1	1	-	1	-	1	1

CHEMICAL RESISTANCE

Chemicals	°C	PB		PA66			PE			PP			POM			PS		ABS		PVC			PTFE		EPDM		FPM		NBR*	
	Conc%	20	60	20	60	100	20	40	60	20	60	100	20	60	100	20	50	20	50	20	40	60	20	50	20	50	20	50	20	50
Sodium hydroxide	10%			1	-	-	-	-	-	1	1	-	1	-	-	-	-	-	-	1	2	-	1	1	1	-	1	1	2	2
Sodium hydroxide	1%	1	1	1	-	-	1	1	-	1	1	1	1	1	-	1	1	-	-	-	-	-	1	1	1	-	1	1	1	2
Sodium hydroxide	30%	1	1	1	-	-	1	1	-	1	1	-	1	2	-	1	-	-	-	1	2	-	1	1	1	-	2	-	1	2
Sodium hydroxide	45%	-	-	1	-	-	1	1	-	1	1	-	1	2	-	1	1	-	-	1	2	-	1	1	1	-	2	3	1	2
Sodium hydroxide	60%	-	-	1	-	-	1	1	-	1	1	-	2	-	-	1	-	-	-	-	-	-	1	1	1	-	2	3	1	2
Sodium hydroxide	Conc.	1	2	1	2	-	1	1	-	1	1	-	2	-	-	-	-	-	-	-	-	-	1	1	1	-	3	3	2	3
Sodium hypochlorite	Diluted	1	1	3	3	-	1	2	-	1	2	-	3	3	-	1	2	-	-	1	2	-	1	1	2	-	1	2	3	3
Sodium hypochlorite	15%	-	-	3	3	-	1	2	-	1	2	-	3	3	-	1	2	-	-	1	-	-	1	1	2	-	1	2	3	3
Sodium hypochlorite	Saturated	-	-	3	3	-	1	2	-	1	2	-	3	3	-	1	2	-	-	1	2	-	1	1	2	-	1	2	3	3
Sodium iodine				1	-	-	1	1	-	1	-	-	1	1	-	-	-	-	-	-	-	-	1	1	1	-	1	-	1	1
Sodium nitrate	Saturated	1	1	1	-	-	1	1	-	1	1	-	1	1	-	1	1	-	-	1	2	-	1	1	1	-	1	1	1	2
Sodium nitrite	Saturated	-	-	1	-	-	1	1	-	1	1	-	1	1	-	1	1	-	-	1	-	-	1	1	1	-	1	1	1	2
Sodium oxalate	Saturated	-	-	1	-	-	1	1	-	1	1	-	1	1	-	-	-	-	-	1	2	-	1	1	1	-	1	-	1	-
Sodium perborate	Saturated	-	-	3	3	-	1	1	-	1	1	-	1	-	-	1	1	-	-	2	-	-	1	1	1	-	1	-	2	-
Sodium perchlorate	Saturated	-	-	1	-	-	1	1	-	1	1	-	1	1	-	-	-	-	-	-	-	-	1	1	1	-	1	-	1	-
Sodium peroxide	10%	-	-	3	3	-	1	2	-	1	1	-	3	3	-	-	-	-	-	-	-	-	1	1	1	-	1	-	2	-
Sodium peroxide	Saturated	-	-	3	3	-	2	2	-	1	1	-	3	3	-	-	-	-	-	-	-	-	1	1	1	-	1	-	3	-
Sodium persulfate	Saturated	-	-	3	3	-	1	1	-	1	1	-	2	-	-	-	-	-	-	-	-	-	1	1	1	-	1	-	2	-
Sodium silicate	Saturated	1	1	1	-	-	1	1	-	1	1	-	-	-	-	1	1	1	3	1	3	-	1	1	1	-	1	1	1	1
Sodium stearate	Aqueous	-	-	1	-	-	1	1	-	1	1	-	1	1	-	-	-	-	-	-	-	-	1	1	1	-	1	-	1	-
Sodium sulfate	Saturated	1	1	1	-	-	1	1	-	1	1	-	1	1	-	1	1	1	1	1	2	-	1	1	1	1	1	1	1	2
Sodium sulfate	Aqueous	1	1	1	-	-	1	1	-	1	1	-	1	1	-	-	-	1	1	1	2	-	1	1	1	1	1	1	1	1
Sodium sulfide	Saturated	1	1	1	-	-	1	1	-	1	-	-	1	1	-	1	1	1	3	1	2	-	1	1	1	-	1	1	1	2
Sodium sulfide	Acquoso	1	1	1	-	-	1	1	-	1	-	-	1	1	-	-	-	1	3	-	-	-	1	1	1	-	1	1	1	-
Sodium sulfite	Saturated	1	1	1	-	-	1	1	-	1	1	1	1	1	-	1	1	-	-	1	2	-	1	1	1	-	1	1	1	2
Sodium thiosulfate	Saturated	1	1	1	-	-	1	1	-	1	-	-	1	1	-	1	1	-	-	1	2	-	1	1	1	-	1	1	1	2
Sodium thiosulfate	Aqueous	1	1	1	-	-	1	1	-	1	-	-	1	1	-	-	-	-	-	-	-	-	1	1	1	-	1	1	1	-
Soya oil		1	1	1	-	-	-	-	-	1	2	-	1	-	-	-	-	1	1	-	-	-	1	1	3	3	1	1	1	-
Stannic chloride	Saturated	-	-	3	3	-	1	1	-	1	1	-	3	-	-	3	3	3	3	-	-	-	1	1	1	-	1	-	1	-
Stannous chloride	Aqueous	-	-	3	-	-	1	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	1	1	1	-	1	1	1	1
Stannous chloride	Saturated	-	-	3	3	-	1	1	-	1	1	-	1	-	-	1	1	-	-	1	-	-	1	1	1	-	1	1	1	1
Steam		-	-	3	3	-	3	-	-	2	-	-	2	-	-	-	-	-	-	-	-	-	1	-	1	-	2	-	3	3
Stearic acid		1	1	1	-	-	1	2	-	1	2	-	1	-	-	1	1	-	-	1	-	-	1	1	2	-	1	1	2	2
Strontium bromide		-	-	1	-	-	1	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	1	1	1	-	1	-	1	-
Strychnine		-	-	1	-	-	1	1	-	1	-	-	1	-	-	1	1	-	-	-	-	-	1	1	1	-	1	-	1	-
Styrene	100%	-	-	1	1	-	3	3	-	2	3	-	1	1	-	-	-	-	-	3	3	-	1	1	3	3	2	-	3	3
Succinic acid	50%	-	-	2	-	-	1	1	-	1	1	-	2	-	-	-	-	-	-	-	-	-	1	1	1	-	1	1	1	-
Succinic acid	Saturated	-	-	2	-	-	1	1	-	1	1	-	2	-	-	1	1	-	-	1	-	-	1	1	1	-	1	1	1	1
Sugar syrup		1	1	1	1	-	1	1	-	1	1	1	1	1	1	1	1	1	1	1	-	-	1	1	1	1	1	1	1	1
Sulfur	Techn.Pure	-	-	1	-	-	1	1	-	1	1	-	1	-	-	1	1	1	-	2	3	-	1	1	2	-	1	1	3	3
Sulfur chloride		-	-	3	3	-	-	-	-	3	3	3	3	3	-	-	-	-	-	-	-	-	1	1	3	3	1	-	3	3
Sulfur dioxide, dump		-	-	3	-	-	1	1	-	1	3	-	3	3	-	3	3	-	-	1	2	-	1	1	1	-	3	3	3	3
Sulfur dioxide, liquid		-	-	3	-	-	3	3	-	3	3	-	3	3	-	3	3	-	-	3	3	-	1	1	1	-	3	3	3	3
Sulfuric acid	1-6%	1	1	3	3	-	1	1	-	1	1	1	3	3	-	1	2	3	3	1	-	-	1	1	1	-	1	1	2	-
Sulfuric acid	20%	1	1	3	3	-	1	1	-	1	1	-	3	3	-	1	2	3	3	-	-	-	1	1	1	-	1	1	3	3
Sulfuric acid	40%	1	1	3	3	-	1	1	-	1	1	2	3	3	-	1	-	3	3	1	2	-	1	1	2	-	1	1	3	3
Sulfuric acid	60%	2	3	3	3	-	1	2	-	1	2	3	3	3	3	1	3	3	3	-	-	-	1	1	3	3	1	1	3	3

CHEMICAL RESISTANCE

Chemicals	°C	PB		PA66			PE			PP			POM			PS		ABS		PVC			PTFE		EPDM		FPM		NBR*	
	Conc%	20	60	20	60	100	20	40	60	20	60	100	20	60	100	20	50	20	50	20	40	60	20	50	20	50	20	50	20	50
Sulfuric acid	80%	2	3	3	3	-	1	1	-	1	2	-	3	3	3	2	3	3	3	1	-	-	1	1	3	3	1	1	3	3
Sulfuric acid	95%	3	3	3	3	-	2	3	-	2	3	3	3	3	3	3	3	3	3	2	3	-	1	1	3	3	1	1	3	3
Sulfuric acid	Fuming	3	3	3	3	-	3	3	-	3	3	-	3	3	-	3	3	3	3	3	3	-	1	-	3	3	1	-	3	3
Sulfurous acid	Saturated	1	1	3	3	-	1	1	-	1	1	-	3	3	-	-	-	-	-	-	-	-	1	1	2	-	2	-	2	3
Sulfuryl chloride	Techn.pure	-	-	3	3	-	3	3	-	3	3	-	3	3	-	-	-	-	-	3	3	-	1	-	2	-	1	-	2	3
Tannic acid	10%	1	1	1	-	-	1	1	-	1	1	-	3	3	-	2	2	-	-	-	-	-	1	1	2	-	1	1	2	2
Tartaric acid		1	1	3	3	-	1	1	-	1	1	-	2	-	-	1	1	1	1	1	2	-	1	1	2	-	1	1	1	1
Tethahydrofuran	100%	2	3	1	-	-	3	3	-	2	3	3	1	2	-	3	3	-	-	3	3	-	1	-	3	3	3	3	3	3
Tetrafluoromethane		2	3	1	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	3	-	-	1	-	1	-	2	-	1	-
Tetralin	Techn.Pure	-	-	1	-	-	3	3	-	3	3	3	1	-	-	3	3	-	-	3	3	3	1	-	3	3	1	-	3	3
Thiophene	100%	-	-	1	-	-	2	2	-	2	3	-	1	-	-	3	3	-	-	-	-	-	1	-	3	3	3	3	2	-
Thymol		-	-	2	-	-	-	-	-	2	-	-	2	-	-	2	3	-	-	-	-	-	1	-	3	-	1	-	3	3
Toluene	100%	3	3	1	-	-	1	2	-	2	3	3	1	-	-	-	-	-	-	-	-	-	1	-	3	3	2	-	3	3
Tributyl citrate		-	-	1	-	-	1	2	-	1	2	-	1	-	-	3	3	-	-	2	3	-	1	-	2	-	2	-	2	-
Tributyl phosphate	Techn.pure	-	-	1	-	-	1	1	-	1	2	-	1	-	-	-	-	-	-	3	3	3	1	1	2	-	3	3	3	3
Trichloroacetaldahyde	100%	3	3	3	3	3	1	1	-	1	1	-	2	-	-	-	-	-	-	3	3	-	-	-	2	-	3	3	3	3
Trichloroacetic acid		-	-	3	3	3	2	3	-	1	1	-	3	3	-	3	3	-	-	3	3	3	1	1	2	-	3	3	3	3
Trichlorobenzene	100%	-	-	2	-	-	3	3	-	3	3	3	1	-	-	3	3	-	-	3	3	3	1	-	3	3	3	3	3	3
Trichloroethane		-	-	2	-	-	3	3	-	3	3	-	1	-	-	3	3	-	-	3	3	3	1	-	3	3	1	-	3	3
Trichloroethylene	100%	3	3	2	-	-	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	-	3	3	1	2	3	3
Trichlorotrifluoroethane	100%	-	-	1	-	-	3	3	3	3	3	3	1	-	-	3	3	-	-	3	3	3	1	-	3	3	2	-	1	-
Triehylamine	Techn.Pure	-	-	1	-	-	-	-	-	3	3	3	1	1	-	-	-	-	-	-	-	-	1	-	3	3	2	-	2	3
Triethanolamine	Techn.Pure	-	-	1	-	-	1	1	-	1	1	-	1	1	-	1	1	-	-	2	3	3	1	-	1	-	3	3	3	3
Triethylene glycol		-	-	2	-	-	1	1	-	1	1	-	1	-	-	1	1	-	-	2	2	-	1	-	1	-	1	-	2	-
Triisopropylbenzene		-	-	1	-	-	-	-	-	2	-	-	1	-	-	3	3	-	-	-	-	-	1	-	3	3	1	-	1	-
Trimethylbenzene		-	-	1	-	-	-	-	-	2	2	-	1	-	-	3	3	-	-	-	-	-	1	-	3	3	1	-	3	3
Urea	Saturated	1	1	1	-	-	1	1	-	1	1	-	1	1	-	-	-	1	1	-	-	-	1	1	1	-	1	1	1	1
Uric acid		1	1	1	-	-	1	1	-	1	-	-	1	-	-	-	-	-	-	1	-	-	1	1	1	-	1	-	1	-
Valnut oil		-	-	1	-	-	-	-	-	1	2	-	-	-	-	2	2	-	-	-	-	-	1	1	2	-	1	-	1	-
Vaseline	Techn.pure	-	-	1	-	-	2	3	-	1	2	-	-	-	-	1	1	-	-	2	-	-	1	1	2	-	1	1	1	1
Vaseline oil	100%	-	-	1	-	-	1	2	-	1	2	-	-	-	-	1	-	-	-	2	-	-	1	-	2	-	1	-	1	-
Vegetable oil		-	-	-	-	-	-	-	-	1	2	-	1	-	-	-	-	-	-	-	-	-	1	1	3	3	1	-	1	-
Vinegar		1	1	3	3	-	1	1	1	1	1	-	1	2	-	1	-	1	1	1	2	2	1	1	1	-	2	2	2	2
Vinyl acetate	Techn.pure	-	-	1	-	-	1	2	-	1	3	3	-	-	-	-	-	-	-	3	3	3	1	-	1	-	2	-	2	2
Washingup liquid		1	1	1	-	-	1	1	-	1	1	-	1	-	-	1	-	1	1	-	-	-	1	1	1	-	1	-	1	-
Water		1	1	1	1	1	1	1	-	1	-	-	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Water distilled	100%	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Water mineral		1	1	1	1	1	1	1	-	1	-	-	1	1	-	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Whiskey		1	1	1	-	-	-	-	-	1	1	-	1	1	-	-	-	-	-	-	-	-	1	1	1	-	1	-	1	1
Wine		1	1	1	-	-	1	1	-	1	1	-	1	-	-	1	1	-	-	1	1	-	1	1	1	-	1	-	1	-
Xylene	100%	3	3	1	-	-	2	3	3	3	3	3	1	2	-	3	3	-	-	3	3	3	1	-	3	3	1	2	3	3

CHEMICAL RESISTANCE

Chemicals	°C / Conc%	PB		PA66			PE			PP			POM			PS		ABS		PVC			PTFE		EPDM		FPM		NBR*	
		20	60	20	60	100	20	40	60	20	60	100	20	60	100	20	50	20	50	20	40	60	20	50	20	50	20	50	20	50
Zinc acetate		-	-	1	-	-	1	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	1	1	1	-	2	-	2	2
Zinc bromide		-	-	3	3	3	1	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	1	1	1	-	1	-	1	-
Zinc carbonate	Saturated	-	-	1	-	-	1	1	-	1	1	-	1	1	-	1	1	-	-	1	1	-	1	1	1	1	1	1	1	1
Zinc chloride	Aqueous	-	-	2	3	-	1	1	-	1	1	-	1	-	-	-	-	3	3	-	-	-	1	1	1	-	1	1	1	1
Zinc nitrate		1	1	1	3	3	1	1	-	1	1	-	1	-	-	1	-	-	-	1	-	-	1	1	1	-	1	-	1	-
Zinc phosphate	Saturated	-	-	1	-	-	1	1	-	1	1	-	1	1	1	1	1	-	-	1	1	1	1	1	1	1	1	1	1	1
Zinc sulfate	10%	1	1	2	-	-	1	1	-	1	1	-	1	-	-	1	1	-	-	1	1	-	1	1	1	-	1	1	1	-

The resistance of materials to different chemicals is highly affected by concentration, contact time, presence of mechanical stress and environmental factors like temperature and humidity.
The data reported in the chemical resistance chart correspond to the present state of our knowledge and they come from careful examination of available published information. However, this information should be considered as a general guide rather than an unqualified guarantee. There is no guarantee as to the binding of chemically inert materials.
For this and other reasons it is recommended to always perform experimental tests to demonstrate the suitability of the material in specific applications.

Chemical resistance

1	Resistant
2	Partially resistant
3	Not resistant
-	No data available

Description of the materials

PB	Polybutylene
PE	Polyethylene
PA	Polyamide (Nylon)
POM	Polyoxymethylene, polyacetal
PP	Polypropylene
PS	Polystyrene
ABS	Acrylonitrile butadiene styrene
PVC	Polyvinyl chloride
PTFE	Polytetrafluoroethylene, Teflon
EPDM	Ethylene-propylene-diene rubber
FPM	Fluorinated rubber, Viton
NBR*	Acryl-nitrile-butadiene rubber (Food and No Food)