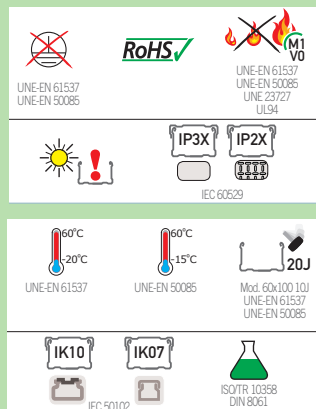


SCP
BPI BASORPLAST
PVC



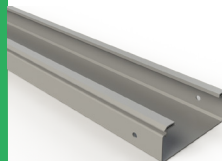
PVC H60



B/P BPI	100X60
2/1162	0,73
2/1163	0,98
2/1164	1,11
2/1165	1,62

REF.	kg/m
2/1162	0,73
2/1163	0,98
2/1164	1,11
2/1165	1,62

PVC H60



B/C BPI	100X60
2/1156	0,77
2/1157	1,03
2/1158	1,17
2/1159	1,70

REF.	kg/m
2/1156	0,77
2/1157	1,03
2/1158	1,17
2/1159	1,70

PVC H100



B/P BPI	200x100
2/4898	1,46
2/4964	1,84
2/1166	2,50
2/1167	4,27

REF.	kg/m
2/4898	1,46
2/4964	1,84
2/1166	2,50
2/1167	4,27

PVC H100



B/C BPI	200x100
2/5091	1,54
2/5092	1,94
2/1160	2,64
2/1161	4,17

REF.	kg/m
2/5091	1,54
2/5092	1,94
2/1160	2,64
2/1161	4,17

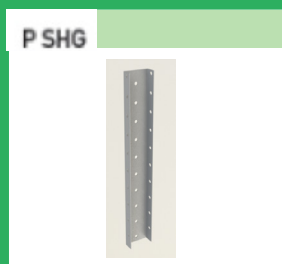
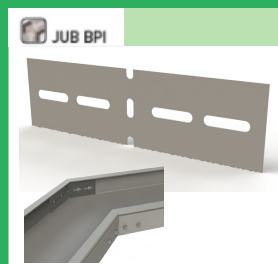
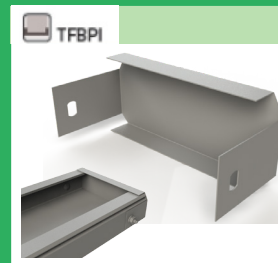
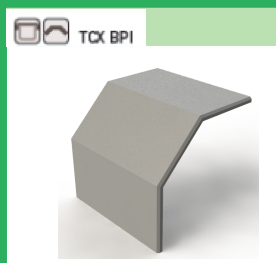
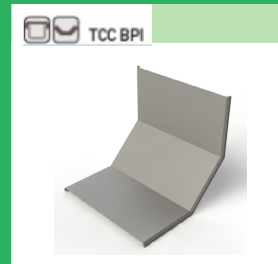
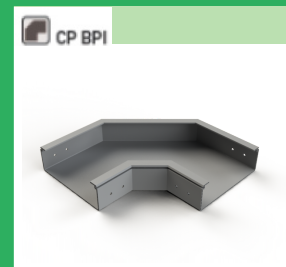
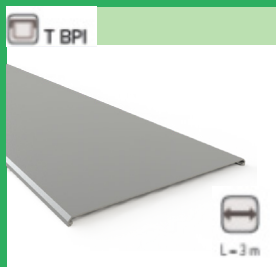
Caratteristiche

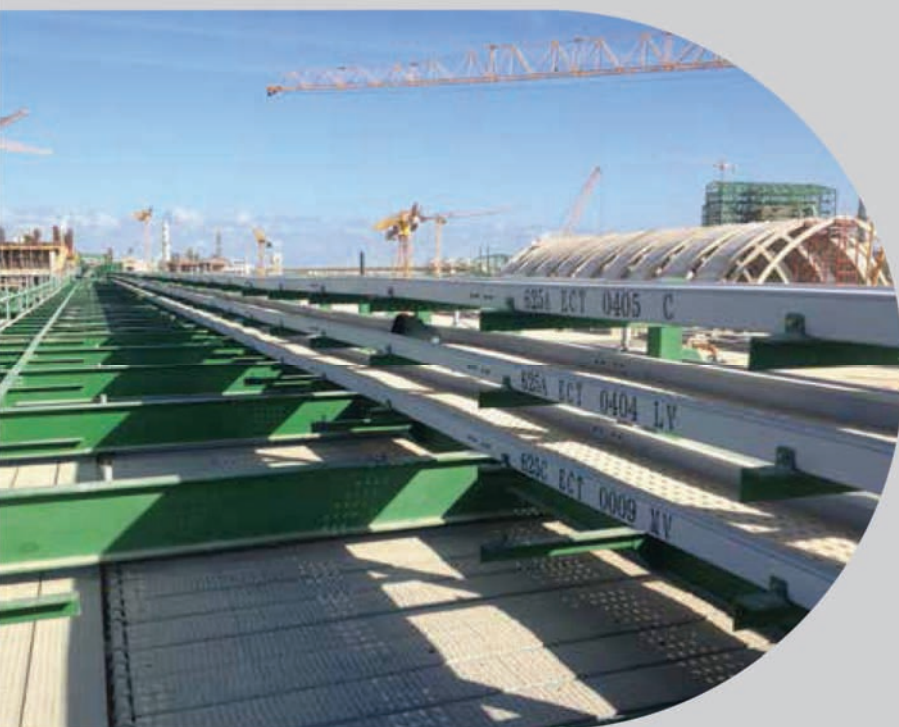
Materiale M1
Materiale isolante
Resistente agli agenti Chimici
Norme ISO/TR 10358 e DIN 8061

Applicazioni

Industria Chimica
Impianto di Trattamento delle Acque
Industria Agroalimentare
Industria Fertilizzanti
Industria Galvanica
Industria Petrochimica
Impianti in ambienti umidi
Impianti nei tunnel
Impianti in Edifici del settore Terziario
Impianti in Macchinari

BASORPLAST





BASORPLAST BPI

Chemical Resistance
according to
ISO/TR 10358

Key

●	resistant
⊙	limited resistant
○	not resistant
ng	not tested
*	stress cracking
GL	saturated solution
°	moisture expansion/softening

Aggressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
acetaldehyde	technically pure	20	⊙	○	●
		40	○		⊙
		60			
		80			
		100			
acetaldehyde	40%, hydrous	20	●	⊙	●
		40	●	○	●
		60	●		⊙
		80	⊙		
		100	○		
acetone	technically pure	20	●	○	●
		40	●		●
		60	●		●
		80			
		100			
	up to 10% hydrous	20	●	○	●
		40	●		●
		60	●		●
		80			
		100			
acetonitrile		20		○	
		40			
		60			
		80			
		100			
acetophenone		20		○	
		40			
		60			
		80			
		100			
acrylonitrile	technically pure	20	●	○	●
		40	⊙		●
		60			●
		80			
		100			
crylic acid ethyl ester	technically pure	20	○	○	
		40			
		60			
		80			
		100			
crylic acid methyl ester	technically pure	20		○	
		40			
		60			
		80			
		100			
adipic acid	saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	○	●
		80	●		
		100			
allyl alcohol	96%	20	●	⊙	●
		40	●	○	●
		60	●		●
		80			
		100			

Aggressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
aluminium chloride	10%, hydrous	20	●	●	●
		40	●	●	●
		60	●	●	●
		80			
		100			
	saturated	20	●	●	●
		40	●	●	●
		60	●	●	●
		80	●		
		100	⊙		
aluminium sulphate	10%, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100	●		
	cold saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	●	●
		80	●		
		100	●		
formic acid*	up to 50% hydrous	20	●	●	●
		40	●	●	●
		60	⊙	⊙	●
		80			
		100			
ammonia*	gaseous, technically pure	20	●	●	●
		40	●	●	●
		60	●	●	●
		80			
		100			
ammonium acetate	each, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100	●		
ammonium carbonate	50%, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100	●		
ammonium chloride	10%, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100	●		
	cold saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100	●		
ammonium hydrogen fluoride	50%, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100	●		

Aggressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
ammonium hydroxide	cold saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
ammonium nitrate	10%, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	⊙
		80	⊙		
		100			
	saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	●	⊙
		80	⊙		
		100			
ammonium phosphate	each, hydrous	20	●	●	●
		40	●	●	●
		60	●	●	●
		80	●		
		100	●		
ammonium sulphate	10%, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100	●		
	saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	●	●
		80	●		
		100	●		
ammonium sulphide	each, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
amyl acetate	technically pure	20	⊙	○	●
		40	⊙		●
		60	○		●
		80			
		100			
amyl alcohol*	technically pure	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100			
aniline	technically pure	20	⊙	○	⊙
		40			
		60			
		80			
		100			
aniline hydrochloride	saturated, hydrous	20	●	○	●
		40	●		●
		60	⊙		⊙
		80			
		100			

Key

●	resistant
⊙	limited resistant
○	not resistant
ng	not tested
*	stress cracking
GL	saturated solution
°	moisture expansion/softening

Agressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
antimony-trichloride*	90%, hydrous	20	●	●	●
		40	●	●	●
		60	●		●
		80			
		100			
arsenic acid	80%, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100			
barium hydroxide	hydrous, saturated	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
barium salts	each, hydrous	20	●	●	●
		40	●	●	●
		60	●	●	●
		80	●		
		100			
benzaldehyde	saturated, hydrous	20	●	○	●
		40			●
		60			●
		80			
		100			
gas*	free from lead and aromatic compounds	20	⊙	●	●
		40		●	●
		60	○	●	⊙
		80			
		100			
benzoic acid	each, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100	●		
benzol	technically pure	20	⊙	○	⊙
		40	○		⊙
		60			
		80			
		100			
benzyl alcohol*	technically pure	20	●	⊙	●
		40	●		●
		60	⊙		⊙
		80			
		100			
beer	usual	20	●	●	●
		40	●	●	●
		60	●	●	●
		80			
		100			

Agressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
lead acetate	hydrous, saturated	20	●	●	●
		40	●	●	●
		60	●	●	●
		80			
		100			
lead tetraethyl*	technically pure	20	●	●	●
		40			
		60			
		80			
		100			
borax	each, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100	●		
boric acid	each, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100	●		
wine spirits*	usual	20	●	●	●
		40	●	●	●
		60	●	●	●
		80			
		100			
bramine benzol	high	20	○	○	○
		40			
		60			
		80			
		100			
bromine	technically pure	20	○	○	○
		40			
		60			
		80			
		100			
bromine water	saturated, hydrous	20	○	●	○
		40			
		60			
		80			
		100			
bromhydric acid*	50%, hydrous	20	●	●	●
		40	●	●	●
		60	●	●	●
		80			
		100			
butadiene°	technically pure	20	●	●	●
		40	●		
		60	●		
		80			
		100			
butane	technically pure	20	●	●	●
		40			
		60			
		80			
		100			

Agressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
butandiol*	10%, hydrous	20	●	●	●
		40	●	⊙	●
		60	●		●
		80			
		100			
butanol*	technically pure	20	●	●	●
		40	●	●	●
		60	⊙	⊙	●
		80	○		
		100			
butanoic acid*	technically pure	20	●	●	●
		40			●
		60			⊙
		80			
		100			
butyl acetate	technically pure	20	⊙	○	●
		40			
		60			
		80			
		100			
butylene (liquid)	technically pure	20	○	●	○
		40			
		60			
		80			
		100			
butylene glycole*	technically pure	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
butylphenol, p-tertiary	technically pure	20	●	⊙	⊙
		40		○	
		60			
		80			
		100			
calciumpouffit	cold saturated, hydrous	20		●	
		40		●	
		60		⊙	
		80			
		100			
calcium chloride	saturated, hydrous (each)	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100	●		
calcium hydroxide	saturated, hydrous (suspension)	20	●	●	●
		40	●	●	●
		60	●	●	●
		80	●		
		100			
calcium hypochlorite*	cold saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●		●
		80			
		100			

Key

●	resistant
⊙	limited resistant
○	not resistant
ng	not tested
*	stress cracking
GL	saturated solution
*	moisture expansion/softening

Aggressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
calcium nitrate	50%, hydrous	20	●	●	●
		40	●	●	●
		60	●		●
		80			
		100			
chlorine	97%, gas, moist	20	○	○	○
		40			
		60			
		80			
		100			
	technically pure, dry	20	○	○	⊙
		40			⊙
		60			○
		80			
		100			
	technically pure, liquid	20	○	○	○
		40			
		60			
		80			
		100			
chloral hydrate	technically pure	20	⊙	○	●
		40			●
		60	○		●
		80			
		100			
chloroethanol	technically pure	20	●	○	●
		40	●		●
		60	●		●
		80			
		100			
chlorobenzene	technically pure	20	●	○	⊙
		40			
		60			
		80			
		100			
chloroacetic acid, mono-*	50%, hydrous	20	●	●	●
		40	●	●	●
		60	●		●
		80			
		100			
	technically pure	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
chloroethanol	technically pure	20		○	
		40			
		60			
		80			
		100			
chloroform	technically pure	20	⊙	○	○
		40			
		60			
		80			
		100			

Aggressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
cloric acid*	10%, hydrous	20	○	●	●
		40		●	●
		60		⊙	
		80			
		100			
	20%, hydrous	20	○	●	⊙
		40		●	
		60		⊙	
		80			
		100			
cloric acid	< 20%	20	○	●	⊙
		40		●	
		60		⊙	
		80			
		100			
chlorosulphonic acid	technically pure	20	○	⊙	○
		40			
		60			
		80			
		100			
chlorine water*	saturated	20	⊙	●	⊙
		40		●	⊙
		60		⊙	
		80			
		100			
hydrochloric acid*	technically pure, gaseous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
chrom alum	cold saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	●	●
		80			
		100			
chromate*	up to 50%, hydrous	20	⊙	⊙	⊙
		40	○	⊙	○
		60		○	
		80			
		100			
	each, hydrous	20	⊙	⊙	⊙
		40			
		60			
		80			
		100			
clophen	technically pure	20		○	
		40			
		60			
		80			
		100			
crotonaldehyde	technically pure	20	●	○	●
		40			
		60			
		80			
		100			

Aggressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
hydrocyanic acid	technically pure	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
cyclohexane*	technically pure	20	●	○	●
		40			●
		60			●
		80			
		100			
cyclohexanone*	technically pure	20	●	●	●
		40	●	●	●
		60	⊙	●	●
		80			
		100			
cyclohexanone	technically pure	20	●	○	●
		40	⊙		⊙
		60	⊙		⊙
		80			
		100			
densodrin		20		●	
		40		●	
		60		●	
		80			
		100			
dextrin	usual	20	●	●	●
		40		●	●
		60		●	●
		80			
		100			
dibutyl ether	technically pure	20	⊙	○	⊙
		40	○		○
		60			
		80			
		100			
dibutyl phthalate	technically pure	20	●	○	●
		40	⊙		⊙
		60	⊙		⊙
		80			
		100			
dibutyl sebazate	technically pure	20	●	○	●
		40			
		60			
		80			
		100			
dichlorethylene	technically pure	20	⊙	○	○
		40			
		60			
		80			
		100			
dichlorobenzene	technically pure	20	⊙	○	⊙
		40			
		60			
		80			
		100			

Key

●	resistant
⊙	limited resistant
○	not resistant
ng	not tested
*	stress cracking
GL	saturated solution
°	moisture expansion/softening

Agressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
dichloroacetic*	technically pure	20	●	●	●
		40	●	●	●
		60	⊙	⊙	⊙
		80			
		100			
	50%, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
dichloroacetic acid methyl esters	technically pure	20	●	○	●
		40	●		●
		60	●		●
		80			
		100			
diesel **		20	⊙	●	●
		40		●	
		60			⊙
		80			
		100			
diethylamine	technically pure	20	●	⊙	
		40			
		60			
		80			
		100			
diethyl ether	technically pure	20	●	○	⊙
		40			
		60			
		80			
		100			
diglycolic acid aqueous*	30%, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
diisobutylketone	technically pure	20	●	○	●
		40			
		60	○		○
		80			
		100			
N,N- dimethylaniline	technically pure	20		○	
		40			
		60			
		80			
		100			
dimethylformamide	technically pure	20	●	○	●
		40	●		●
		60	●		⊙
		80			
		100			
dimethylamine	technically pure	20	●	⊙	●
		40			
		60			⊙
		80			
		100			

Agressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
dinonylphthalate	technically pure	20	●	○	⊙
		40			
		60			
		80			
		100			
		120			
dioctylphthalate*	technically pure	20	●	○	⊙
		40			
		60	○		
		80			
		100			
dioxane	technically pure	20	⊙	○	●
		40	⊙		●
		60	⊙		●
		80	○		
		100			
fertilizer salts	hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
iron salts	each, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100			
acetic acid*	technically pure, (glacial acetic acid)	20	●	⊙	●
		40	●	○	●
		60	⊙		⊙
		80	○		
		100			
	50%, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
	10%, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100	●		
acetic unhydride*	technically pure	20	●	○	●
		40	⊙		⊙
		60			
		80			
		100			
ethyl acetate	technically pure	20	●	○	●
		40	⊙		⊙
		60	⊙		⊙
		80			
		100			
ethyl alcohol*	technically pure 96%	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100			

Agressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
ethyl alcohol*	technically pure	20	●	●	●
		40		●	●
		60		⊙	●
		80			
		100			
ethylbenzene	technically pure	20	⊙	○	
		40			
		60	○		
		80			
		100			
ethyl chloride	technically pure	20	⊙	○	⊙
		40			
		60			
		80			
		100			
dicloroethane	technically pure	20	⊙	○	⊙
		40			
		60			
		80			
		100			
ethylenediamine	technically pure	20	●	⊙	●
		40			●
		60			●
		80			
		100			
ethylenediamine*	technically pure	20	●	●	●
		40	●	●	●
		60	●	●	●
		80	●		
		100	●		
ethyle oxide	technically pure, liquid	20	⊙	○	○
		40			
		60			
		80			
		100			
fatty alcohol sulphate*	hydrous	20	●	●	●
		40	●	●	●
		60	⊙	⊙	●
		80			
		100			
fatty acids >C6*	technically pure	20	●	●	●
		40	●	●	●
		60	●	●	⊙
		80			
		100			
fluorine	technically pure	20	○	○	○
		40			
		60			
		80			
		100			
hydrofluoric acids°	up to 40%, hydrous	20	●	●	●
		40	●	⊙	●
		60	●	⊙	⊙
		80			
		100			

Key

●	resistant
⊙	limited resistant
○	not resistant
ng	not tested
*	stress cracking
GL	saturated solution
°	moisture expansion/softening

Aggressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
hydrofluoric acids*	50% hydrous	20	●	●	●
		40	●		●
		60	●		⊙
		80			
		100			
	70%, hydrous	20	●	●	●
		40			
		60			⊙
		80			
		100			
formaldehyde*	40%, hydrous	20	●	●	●
		40	●	●	●
		60			●
		80			
		100			
formamide	technically pure	20	●	○	●
		40	●		●
		60	●		●
		80			
		100			
photo emulsion*		20	●	●	●
		40	●	●	●
		60			
		80			
		100			
film developer*	usual	20	●	●	●
		40	●	●	●
		60		⊙	⊙
		80			
		100			
photo fixing baths*	usual	20	●	●	●
		40	●	●	●
		60		⊙	
		80			
		100			
frigen 12-	technically pure	20	○	●	○
		40			
		60			
		80			
		100			
fruit juices*		20	●	●	●
		40	●	●	●
		60	●	●	●
		80	●		
		100			
furfuryl alcohol*	technically pure	20	●	○	●
		40			●
		60	⊙		●
		80			
		100			
gelatin	each, hydrous	20	●	●	●
		40	●	●	●
		60	●		●
		80			
		100			

Aggressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
tanner extracts* (vegetable)	usual	20	●	●	●
		40			
		60			
		80			
		100			
tannic acid (tannin)	each, hydrous	20	●	●	●
		40	●		●
		60	●		●
		80			
		100			
glucose (dextrose)	each, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100	●		
glycerin	technically pure	20	●	●	●
		40	●	●	●
		60	●	●	●
		80	●		
		100	●		
aminoacetic acid*	10%, hydrous	20	●	●	●
		40	●	●	●
		60			
		80			
		100			
glycolic acid	37% hydrous	20	●	●	●
		40			●
		60			●
		80			
		100			
urea*	up to 30% hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
yeast	each, hydrous, suspension	20	●	●	●
		40	●	●	●
		60	●		●
		80			
		100			
fuel oil		20	⊙	●	⊙
		40	○	⊙	○
		60			
		80			
		100			
n-heptane*	technically pure	20	●	●	●
		40			
		60	⊙		⊙
		80			
		100			
n-hexane*	technically pure	20	●	●	●
		40			
		60	⊙		⊙
		80			
		100			

Aggressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
hydracine hydrate*	hydrous	20	●	●	●
		40	●		●
		60	●		●
		80			
		100			
hydroquinone	GL	20		●	
		40		●	
		60			
		80			
		100			
hydroxylamine sulphate	each, hydrous	20	●	●	●
		40	●	●	●
		60	●		●
		80			
		100			
iso butyl acetate	technically pure	20		○	
		40			
		60			
		80			
		100			
isooctane*	technically pure	20	●	●	●
		40			
		60	⊙		⊙
		80			
		100			
isopropanol*	technically pure	20	●	●	●
		40	●		●
		60	●		●
		80	●		
		100	●		
isopropyl-ether	technically pure	20	⊙	○	⊙
		40			
		60	○		○
		80			
		100			
tincture of iodine	6,5% iodine in ethanol	20	●	○	●
		40			
		60			○
		80			
		100			
potassium acetate*	GL	20		●	
		40		●	
		60		●	
		80			
		100			
potassium hydroxide	50% hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100	●		
potassium-aluminium sulphate (alum)	50% hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			

Key

●	resistant
⊙	limited resistant
○	not resistant
ng	not tested
*	stress cracking
GL	saturated solution
°	moisture expansion/softening

Agressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
potassium bichromate*	saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100	●		
potassium borat	10% hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
potassium bromate	cold saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	⊙
		80	●		
		100	●		
potassium bromide	each, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
potassium chlorate*	cold saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	●	●
		80			
		100			
potassium chloride	each, hydrous	20	●	●	●
		40	●	●	●
		60	●	●	●
		80	●		
		100	●		
potassium chromate*	cold saturated, hydrous	20	●	●	●
		40	●	●	
		60	●	●	
		80			
		100			
potassium cyanide	cold saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	●	●
		80			
		100			
potassium iodide	cold saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	●	●
		80			
		100			
potassium nitrate	50%, hydrous	20	●	●	●
		40	●	●	●
		60	●	●	●
		80			
		100			

Agressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
potassium perchlorate*	cold saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
potassium permanganate*	cold saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	⊙
		80			
		100			
potassium persulphate*	each, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
potassium phosphate	each, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100			
potassium sulphate	each, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100			
hexafluorosilic acid*	32% hydrous	20	●	●	●
		40		●	●
		60		●	●
		80			
		100			
carbon dioxide	technically pure, dry	20	●	●	●
		40	●	●	●
		60	●	●	●
		80			
		100			
carbonic acid	technically pure, moist	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
coconut oil alcohol*	technically pure	20	●	●	●
		40	●	⊙	●
		60	⊙		⊙
		80			
		100			
coconut oil*	technically pure	20	●	●	●
		40	●	⊙	●
		60	⊙		⊙
		80			
		100			
nitrohydrochloric acid*	concentration 1:3 up to 1:6	20	○	●	○
		40		⊙	
		60			
		80			
		100			

Agressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
cresols	cold saturated, hydrous	20	●	⊙	●
		40	●		●
		60			
		80			
		100			
cuprous salts	each, hydrous	20	●	●	●
		40	⊙	●	●
		60	○	⊙	●
		80			
		100			
lanolin* (wool fat)	technically pure	20	●	●	●
		40	●	⊙	●
		60	●		●
		80			
		100			
linseed oil*	technically pure	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100	●		
illuminating gas, benzol free		20	●	●	●
		40			
		60			
		80			
		100			
liquers		20	●	●	●
		40		●	●
		60			
		80			
		100			
magnesium salts	each hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100	●		
corn oil*	technically pure	20	●	⊙	●
		40	●		●
		60	⊙		⊙
		80			
		100			
maleic acid*	cold saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
marmelade		20	●	●	●
		40	●	⊙	●
		60	●	⊙	●
		80	●		
		100	●		
molasses		20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			

Key

●	resistant
⊙	limited resistant
○	not resistant
ng	not tested
*	stress cracking
GL	saturated solution
°	moisture expansion/softening

Aggressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
molasses flavour		20	●	●	●
		40	●	●	●
		60	●	●	●
		80			
		100			
methane (natural gas)	technically pure	20	●	●	●
		40			
		60			
		80			
		100			
methanol* (methyl alcohol)	each	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
methyl acetate	technically pure	20	●	○	●
		40	●		
		60	⊙		
		80			
		100			
methylamine	32%, hydrous	20	●	⊙	●
		40			
		60			
		80			
		100			
methyl bromide	technically pure	20	○	○	⊙
		40			
		60			
		80			
		100			
methyl chloride	technically pure	20	○	○	⊙
		40			
		60			
		80			
		100			
methylene chloride	technically pure	20	⊙	○	⊙
		40			
		60			
		80			
		100			
methyl ethyl ketone	technically pure	20	●	○	●
		40	⊙		⊙
		60	⊙		○
		80			
		100			
milk*		20	●	●	●
		40	●	●	●
		60	●	●	●
		80	●		
		100	●		
lactic acid*	10%, hydrous	20	●	●	●
		40	●	⊙	●
		60	●	○	●
		80	●		
		100	●		

Aggressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
mineral oils, free from aromatic compounds		20	●	●	●
		40	●	●	●
		60	⊙	●	⊙
		80			
		100			
mineral water		20	●	●	●
		40	●	●	●
		60	●	●	●
		80	●		
		100	●		
mixed acid		20	○	●	○
-acid sulphur	48%	40		⊙	
-nitric acid	49%	60		○	
-water	3%	80			
		100			
	50%	20	○	⊙	○
	50%	40		○	
	0%	60			
		80			
		100			
	10%	20	○	⊙	○
	87%	40			
	3%	60			
		80			
		100			
	50%	20	○	●	○
	31%	40			
	19%	60			
		80			
		100			
	50%	20	○	●	○
	33%	40		⊙	
	17%	60			
		80			
		100			
	10%	20	○	●	⊙
	20%	40		●	
	70%	60			
		80			
		100			
mixed acid		20	○	⊙	⊙
-nitric acid	3 parts	40			
-hydrofluoric acid	1 part	60			
-acid sulphur	2 parts	80			
		100			
mixed acid		20	●	●	●
-acid sulphur	30%	40	⊙	●	⊙
-phosphoric acid	60%	60			
-water	10%	80			
		100			
mono chlorine acetic acid ethyl ester	technically pure	20	●	○	●
		40	●		●
		60	●		●
		80			
		100			

Aggressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
mono chlorine acetic acid methyl ester	technically pure	20	●	○	●
		40	●		●
		60	●		●
		80			
		100			
Morpholine	technically pure	20	●	○	●
		40	●		●
		60	●		●
		80			
		100			
Mowilith D	usual	20	●	●	●
		40			
		60			
		80			
		100			
naphthalene	technically pure	20	●	○	●
		40			
		60			⊙
		80			
		100			
sodium acetate	each, hydrous	20	●	●	●
		40	●	●	●
		60	●	●	●
		80	●		
		100	●		
sodium benzoate	cold saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
sodium bromate	each, hydrous	20	●	●	●
		40	⊙	⊙	⊙
		60			
		80			
		100			
sodium bromide	each, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
sodium carbonate (soda)	cold saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	●	●
		80	●		
		100	●		
sodium chlorate*	each, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
sodium chloride (table salt)	each, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100			

Key

●	resistant
⊙	limited resistant
○	not resistant
ng	not tested
*	stress cracking
GL	saturated solution
°	moisture expansion/softening

Agressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
sodium chlorite*	diluted, hydrous	20	●	●	●
		40	●		
		60	⊙		
		80			
		100			
sodium chromate*	diluted, hydrous	20	●	●	●
		40	●	●	
		60		⊙	
		80			
		100			
sodium disulphite	each, hydrous	20	●	●	●
		40		●	
		60		⊙	
		80			
		100			
sodium dithionite (-hydrosulfit)	10%, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
sodium fluoride	cold saturated, hydrous	20	●	●	●
		40		●	
		60			
		80			
		100			
sodium bicarbonate		20	●	●	●
	cold saturated, hydrous	40	●	●	●
		60	●	●	●
		80	●		
		100			
sodium hydrogen sulphate (Natriumup toulfat)	each, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
sodium hydrogen sulphite (Natriumup toulfit)	each, hydrous	20	●	●	●
		40	●	⊙	●
		60	●	○	●
		80			
		100			
sodium hypochloride* (bleaching liquor)	12,5% activ chlorine, hydrous	20	⊙	●	⊙
		40	○	●	○
		60		⊙	
		80			
		100			
sodium iodide	each, hydrous	20	●	●	●
		40		●	
		60		⊙	
		80			
		100			

Agressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
sodium nitrate (sal-peter)	cold saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
sodium nitrite	cold saturated, hydrous	20	●	●	●
		40			
		60			
		80			
		100			
sodium oxalate	cold saturated, hydrous	20	●	●	●
		40		●	
		60		⊙	
		80			
		100			
sodium perborate	GL	20	ng	ng	ng
		40			
		60			
		80			
		100			
sodium perchlorate	GL	20	ng	ng	ng
		40			
		60			
		80			
		100			
sodium persulphate*	cold saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
sodium phosphate	cold saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100	●		
sodium silicate	each, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
sodium sulphate (Glauber's salt)	cold saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100			
sodium sulphide	cold saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			

Agressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
sodium sulphite	cold saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
sodium thiosulphate (fixing salt)	cold saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
caustic soda	up to 10%, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100	●		
	up to 40%, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100	●		
	up to 50%, hydrous	20	●	●	●
		40	●	●	●
		60	●	●	●
		80	●		
		100	●		
surfactants*	up to 5%, hydrous	20	●	●	●
		40	●	●	
		60	●	⊙	
		80			
		100			
nickel salt	cold saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
nitrobenzene	technically pure	20	●	○	●
		40	●		●
		60	●		⊙
		80			
		100			
nitrous fumes	diluted, moist, dry	20	●	●	●
		40	⊙		●
		60	○	⊙	●
		80			
		100			
nitrotoluene	technically pure	20	●	○	●
		40	●		●
		60	⊙		⊙
		80			
		100			
fruit pulp		20	●	●	●
		40	●		●
		60	●		●
		80			
		100			

Key

●	resistant
⊙	limited resistant
○	not resistant
ng	not tested
*	stress cracking
GL	saturated solution
°	moisture expansion/softening

Aggressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
fruit wine		20	●	●	●
		40			
		60			
		80			
		100			
fats and oils*, vegetale		20	●	●	●
		40	●	⊙	⊙
		60	⊙		
		80			
		100			
oleum vapours*	low	20	○	●	○
		40			
		60			
		80			
		100			
olive oil*		20	●	●	●
		40	●	●	●
		60	●	●	⊙
		80	●		
		100			
oleic acid	technically pure	20	●	●	●
		40	●	●	●
		60	⊙	●	⊙
		80			
		100			
oxalic acid*	cold saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	●	●
		80			
		100			
oxygen*	up to 2%, in air	20	⊙	●	⊙
		40	○		○
		60			
		80			
		100			
	cold saturated, hydrous	20	⊙	●	⊙
		40	○	●	○
		60			
		80			
		100			
palmitic acid*	technically pure	20	⊙	●	⊙
		40			
		60	○		
		80			
		100			
palm oil* (palm kernel oil)		20	●	●	●
		40	●	○	●
		60	⊙		⊙
		80			
		100			
paraffin emulsion	usual, hydrous	20	●	●	●
		40	●	●	●
		60	⊙		⊙
		80			
		100			

Aggressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
paraffin oil		20	●	●	●
		40	●	●	●
		60	⊙	⊙	●
		80			
		100			
perchloroethylene (tetrachloroethylene)	technically pure	20	⊙	○	⊙
		40			
		60			
		80			
		100			
perchloric acid*	10%, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
	70%, hydrous	20	⊙	⊙	●
		40	○		⊙
		60			○
		80			
		100			
petroleum ether*	technically pure	20	●	●	●
		40	●	●	⊙
		60	⊙	●	⊙
		80			
		100			
petroleum	technically pure	20	●	●	●
		40	⊙		●
		60	⊙		⊙
		80			
		100			
phenol*	up to 10%, hydrous	20	●	●	●
		40	●	⊙	●
		60	●		⊙
		80			
		100			
	up to 90%, hydrous	20	●	⊙	●
		40	●		●
		60	●		⊙
		80			
		100			
phenylhydrazine	technically pure	20	⊙	○	⊙
		40			
		60			
		80			
		100			
phenylhydrazine-hydrochloride	hydrous	20	●	⊙	
		40	⊙		
		60	⊙		
		80			
		100			
phosgene*	technically pure, liquid	20	⊙	○	
		40			
		60			
		80			
		100			

Aggressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
phosgene*	technically pure, gaseous	20	⊙	●	⊙
		40		⊙	
		60		⊙	
		80			
		100			
phosphor chloride:*	technically pure	20	●	○	●
		40			
		60			
		80			
		100			
-phosphor-tri-chloride	technically pure	20	●	○	●
		40			
		60	⊙		⊙
		80			
		100			
-phosphor-penta-chloride	technically pure	20	●	○	●
		40			
		60	⊙		⊙
		80			
		100			
-phosphoryl chloride	technically pure	20	ng	ng	ng
		40			
		60			
		80			
		100			
phosphoric acid	up to 30%, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100			
	up to 50%, hydrous	20	●	●	●
		40	●	●	●
		60	●	●	●
		80			
		100			
	85%, hydrous	20	●	●	●
		40	●	●	●
		60	●	●	⊙
		80	●		
		100	●		
phthalic acid*	saturated, hydrous	20	●	●	●
		40	●	⊙	●
		60	●	○	●
		80			
		100			
picric acid*	1%, hydrous	20	●	●	●
		40			
		60			
		80			
		100			
potassium carbonate	cold saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●		
		80			
		100			
compressed air, oil emulsive		20	⊙	⊙	●
		40			●
		60			
		80			
		100			
propane	technically pure, liquid	20	●	●	●
		40			
		60			
		80			
		100			

Key

●	resistant
⊙	limited resistant
○	not resistant
ng	not tested
*	stress cracking
GL	saturated solution
*	moisture expansion/softening

Agressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
propane	technically pure, gaseous	20	●	●	●
		40			
		60			
		80			
		100			
propanol,* n- and iso-	technically pure	20	●	●	●
		40	●	⊙	●
		60	●	⊙	●
		80			
		100			
propargyl alcohol*	7%, hydrous	20	●	●	●
		40	●	●	●
		60	●	●	●
		80			
		100			
propanoic acid*	50%, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
	technically pure	20	●	●	●
		40	⊙	⊙	⊙
		60	⊙		⊙
		80			
		100			
propylene glycol*	technically pure	20	●	●	●
		40	●	●	●
		60	●	●	●
		80			
		100			
pyridine	technically pure	20	⊙	○	●
		40	⊙		⊙
		60	⊙		⊙
		80			
		100			
quicksilver	rein	20	●	●	●
		40			
		60			
		80			
		100			
quicksilver salts	cold, saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
ramasit	usual	20		●	
		40		●	
		60		●	
		80			
		100			
suet-emulsion,* sulphurized	usual	20	●	●	●
		40			
		60			
		80			
		100			

Agressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
nitric acid*	6,3%, hydrous	20	●	●	●
		40		●	●
		60	⊙	●	●
Attention: regarding PVC-U glued connections		80			
		100			
please see introduction 2.3.1		100			
	up to 40%, hydrous	20	⊙	●	⊙
		40		●	
		60	○	⊙	○
		80			
		100			
	65%, hydrous	20	○	⊙	⊙
		40		⊙	○
		60		○	
		80			
		100			
	85%	20		○	
		40			
		60			
		80			
		100			
	100%	20	○	○	○
		40			
		60			
		80			
		100			
salt acid °-	5%, hydrous	20	●	●	●
		40	●	●	●
Attention: regarding PVC-U glued connections		60	●	⊙	●
		80	⊙		
		100			
please see introduction 2.3.1		100			
	10%, hydrous	20	●	●	●
		40	●	●	●
		60	⊙	⊙	●
		80	⊙		
		100			
	up to 30%, hydrous	20	●	●	●
		40	⊙	●	●
		60	⊙	⊙	●
		80	○		
		100			
	36%, hydrous	20	●	●	●
		40	⊙	●	●
		60	○	⊙	●
		80			
		100			
dioxygen	technically pure	20	●	●	●
		40		●	●
		60	⊙	●	⊙
		80			
		100			
lubricating grease*		20	⊙	●	●
		40		●	●
		60		●	⊙
		80			
		100			

Agressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
sulphur	technically pure	20	●	⊙	●
		40	●	○	●
		60	●		●
		80	●		
		100			
sulphur dioxide	technically pure, dry	20	●	●	●
		40	●	●	●
		60	●	●	●
		80			
		100			
	each, moist	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
	technically pure liquid	20	○	○	○
		40			
		60			
		80			
		100			
carbon disulphide	technically pure	20	⊙	○	⊙
		40			
		60			
		80			
		100			
sodium sulphide		20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
acid sulfur*	up to 40%, hydrous	20	●	●	●
		40	●	●	●
Attention: regarding PVC-U glued connections		60	●	⊙	●
		80			
please see introduction 2.3.1		100			
	up to 60%,* hydrous	20	●	●	●
		40	●	●	●
		60	●	●	●
		80			
		100			
	up to 80%, hydrous	20	●	●	●
		40	●	●	●
		60	⊙	●	⊙
		80			
		100			
	90%, hydrous*	20	⊙	●	⊙
		40		●	
		60			
		80			
		100			
	96%, hydrous*	20	○	●	○
		40		●	
		60		⊙	
		80			
		100			

Key

●	resistant
⊙	limited resistant
○	not resistant
ng	not tested
*	stress cracking
GL	saturated solution
°	moisture expansion/softening

Aggressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
hydrogen sulphide	technically pure	20	●	●	●
		40	●	●	●
		60	●	●	⊙
		80			
		100			
	saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
sulfurous acid	saturated, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
seawater		20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100	●		
soap solution*	each, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
silver salt	cold, saturated, hydrous suspension	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
silicone oil		20	●	●	●
		40	●	⊙	●
		60	●	○	●
		80	●		
		100	●		
spindle oil		20	●	⊙	⊙
		40	⊙		
		60	○		⊙
		80			
		100			
spinning bath acids* containing CS ₂	100 mg CS ₂ /l	20	●	●	●
		40		●	
		60			
		80			
		100			
	200 mg CS ₂ /l	20	●	⊙	●
		40			
		60			
		80			
		100			
	700 mg CS ₂ /l	20	●	○	●
		40			
		60			
		80			
		100			

Aggressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
spirituous beverages	ca. 40% (ethyl alcohol)	20	●	●	●
		40			
		60			
		80			
		100			
starch solution	each, hydrous	20	●	●	●
		40	●	●	●
		60	●	●	●
		80			
		100			
starch syrup	usual	20	●	●	●
		40	●	●	●
		60	●	●	●
		80			
		100			
stearic acid*	technically pure	20	●	●	●
		40		●	
		60	⊙	●	⊙
		80			
		100			
sebum*	technically pure	20	●	●	●
		40	●	●	●
		60	●	●	●
		80			
		100			
oil of turpentine*	technically pure	20	○	●	⊙
		40		⊙	⊙
		60			
		80			
		100			
tetrachloromethane	technically pure	20	○	○	○
		40			
		60			
		80			
		100			
tetrahydrofuran	technically pure	20	○	○	⊙
		40			
		60			
		80			
		100			
tetrahydronaphthalin	technically pure	20	○	○	⊙
		40			
		60			
		80			
		100			
toluol	technically pure	20	⊙	○	⊙
		40	○		
		60			○
		80			
		100			
triethanolamine*	technically pure	20	●	⊙	●
		40			●
		60			●
		80			
		100			

Aggressive Medium	Concentration	Temperature	Material		
			PP	PVC	PE
tributyl phosphate	technically pure	20	●	○	●
		40	●		●
		60	●		●
		80			
		100			
trichloroethane	technically pure	20	⊙	○	⊙
		40			
		60			
		80			
		100			
trichloroethylene	technically pure	20	⊙	○	○
		40			
		60			
		80			
		100			
trichloroacetic acid*	technically pure	20	●	⊙	●
		40	●		⊙
		60	●		○
		80			
		100			
	50%, hydrous	20	●	●	●
		40	●	⊙	●
		60	●		●
		80			
		100			
1, 1, 2-trichloro-1, 2, 2-trifluoroethane* (freon 113)	technically pure	20		●	
		40		●	
		60			
		80			
		100			
tri-kresyl phosphate*	technically pure	20	●	○	●
		40			●
		60	⊙		●
		80			
		100			
tri-octyl phosphate*	technically pure	20	●	○	⊙
		40			
		60			
		80			
		100			
urine		20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
vaseline	technically pure	20	●	⊙	⊙
		40		○	
		60	⊙		○
		80			
		100			
vinyl acetate	technically pure	20	●	○	
		40			
		60	⊙		
		80			
		100			

Agressive Medium	Concentra- tion	Temper- ature	Material		
			PP	PVC	PE
vinyl chloride	technically pure	20		○	
		40			
		60			
		80			
		100			
viscose-spin- ning solution		20	●	●	●
		40	●	●	●
		60	●	●	●
		80			
		100			
wax alcohol*	technically pure	20	⊙	●	⊙
		40	○	●	○
		60		●	
		80			
		100			
detergent*	for suds usual	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100			
water (distilled, deionized, completely desalinated)		20	●	●	●
		40	●	●	●
		60	●	●	●
		80	●		
		100	●		
water, drink- ing water chlorinated		20	●	●	●
		40	●	●	●
		60	●	●	●
		80	●		
		100	●		
water, sewage water without organic solvents		20	●	●	●
		40	●	●	●
		60	●	●	●
		80	●		
		100			
water, con- densaton		20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100			
hydrogen	technically pure	20	●	●	●
		40	●	●	●
		60	●	●	●
		80			
		100	○		
hydrogen peroxide*	10%, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
	30%, hydrous	20	●	●	●
		40	●	●	●
		60	⊙		●
		80			
		100			

Agressive Medium	Concentra- tion	Temper- ature	Material		
			PP	PVC	PE
	50%, hydrous	20		●	●
		40			
		60			
		80			
		100			
	90%, hydrous	20	○	●	●
		40			
		60			○
		80			
		100			
wine, red and white	usual	20	●	●	●
		40	●		●
		60	●		●
		80			
		100			
wine vinegar* (vinegar)	usual	20	●	●	●
		40	●	●	●
		60	●	●	●
		80	●		
		100			
acidity of wine	each, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
xylol	technically pure	20	○	○	○
		40			
		60			
		80			
		100			
zinc salts	each, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80			
		100			
citric acid	10%, hydrous	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100	●		
sugar syrup	usual	20	●	●	●
		40	●	●	●
		60	●	⊙	●
		80	●		
		100	●		

Key

●	resistant
⊙	limited resistant
○	not resistant
ng	not tested
*	stress cracking
GL	saturated solution
°	moisture expansion/softening