

Chemical	Max% concentration	Resistance	
		RT*	50°C
1,2-dimethylbenzene		2	0
Acetic acid	50%		2
Acetic acid	75%	2	1
Acetic anhydride		0	0
Acetone		0	0
Ammonia		0	0
Ammonium carbonate			1
Aniline		0	0
Aqueous chlorine solution	Saturated	2	1
Barium carbonate			1
Barium hydroxide	10%		1
Barium sulfide		2	1
Benzene		2	1
Brake fluid		3	
Bromine		0	0
Butan-2-one		1	0
Butanol		3	
Butyl acetate		1	0
Butyl alcohol			2
Calcium chloride		3	
Calcium hydroxide	20%		2
Carbon tetrachloride		3	
Caustic potash		0	
Caustic soda	40%	3	
Chlorine			2
Chloro acetic acid	100%	2	1
Chlorobenzene		3	
Chloroform		0	0
Chromate	5%		2
Chromate	10%		2
Chromate	20%	0	1
Chromate	30%	1	0
Cresol		0	0
Dichloro ethylene		0	0
Dichloromethane		1	0
Diesel oil		3	
Engine oil		3	
Ethyl alcohol	96%		1
Formaldehyde	30%	3	
Formalin	10%		2

Chemical	Max% concentration	Resistance	
		RT*	50°C
Formalin	37%		1
Formic Acid	85%	2	0
Frigen 113		3	
Fruit juice		3	
Fuel oil			2
Glycerine		3	
Heating oil		3	
Herbicide	2%	3	
Hydraulic oil			2
Hydraulic oil		3	
Hydrobromic acid	50%	2	1
Hydrochloric acid		3	
Hydrofluoric acid	10%	2	0
Hydrofluoric acid	20%	1	0
Hydrogen cyanide	10%		2
Hydrogen fluoride		2	0
Hydrogen peroxide	30%		2
Isopropyl alcohol			2
Lactic acid		3	
Lemon acid		3	
Linseed oil		3	
Lubricating oil		3	
Maleic acid	40%		2
Methanol		1	0
Methyl chloride		0	
Methyl Ethyl ketone		2	0
Mineral oil		3	
Nitric acid	10%		2
Nitric acid	20%	2	1
Nitric acid	conc.	1	0
Nitrohydrochloric acid		0	0
Phenol		0	0
Phosphoric acid	10%		2
Phosphoric acid	30%		2
Phosphoric acid	conc.		1
Potassium chloride		3	
Potassium hydroxide	5%	2	1
Potassium hydroxide	10%	1	0
Potassium hydroxide	20%	1	0
Soap sud		3	

Chemical	Max% concentration	Resistance	
		RT*	50°C
Sodium carbonate	10%		1
Sodium carbonate		3	
Sodium hydroxide	5%	2	1
Sodium hydroxide	conc.	1	0
Styrene monomer		2	0
Sulfuric acid	10%	2	2
Sulfuric acid	30%	2	1
Sulfuric acid	70%	2	1
Sulfuric acid	conc.	1	0
Tetrahydrofurane		0	0
Toluene		2	0
Trichloro ethylene		1	0
Turpentine oil		3	
Water (distilled, river, tap, sea)		3	
Wine acid		3	
Xylene		3	
Zinc sulphate		3	

\*RT: Room temperature

**0:** The resin matrix is destroyed when in contact with chemical agent. The use of SMC and BMC under these circumstances is not recommended.

**1:** Reduced resistance. A reduction in mechanical properties is detected under the influence of the chemical.

**2:** Limited resistance. Changes in colour and surface quality. No appreciable changes in mechanical properties.

**3:** Resistant at given temperature and concentration.

Notice: The final evaluation of material performance under these conditions is the responsibility of the user. For further information please contact Astar quality department at [astar@astar.es](mailto:astar@astar.es).