

The following table features the resistance of Rilsan® to main chemical reagents following 18-months of exposure.

Chemical agent	Concentration	Performance			
	100%	20° C	40° C	60° C	90° C

### Mineral salts

Calcium arsenate	concentrated or boiled solutions	G	G	G	
Soda carbonate	"	G	G	L	P
Baryum chloride	"	G*	L*	P	P
Potassium nitrate	"	G	G	G	G
Di-ammonium phosphate	"		G	G	L
Trisodic phosphate	"	G	G	G	G
Alumina sulphate	"	G	G	G	G
Ammonium sulphate	"	G	G	L	
Copper sulphate	"	G	G	G	G
Potassium sulphate	"	G	G	G	G

Sodium sulphide	"	G	L	L	
Calcium chloride	"	G	G	G	G
Magnesium chloride	50%	G	G	G	G
Sodium chloride	saturated	G	G	G	G
Zinc chloride	saturated	G	G	L	P

#### Organic acids and anhydrides

Acetic acid		L	P	P	P
Acetic anhydride		L	P	P	P
Nitric acid		G	G	L	P
Formic acid		G	P	P	P
Lactic acid		G	G	G	L
Oleic acid		G	G	G	L
Oxalic acid		G	G	L	P
Picric acid		L	P	P	P
Stearic acid		G	G	G	L

Tartaric acid	saturated solution	G	G	G	L
Utric acid		G	G	G	L

### Hydrocarbons

Methane		G	G	G	
Propane		G	G	G	
Butane		G	G	G	
Acetylene		G	G	G	
Benzene		G	G**	L	
Toluene		G	G**	L	L
Xylene		G	G**	L	L
Styrene		G	G**		
Cyclohexane		G	G	L	
Naphtalene		G	G	G	L
Decaline		G	G	G	L
Forane* 12		G	G	G	

Propane		G	G	G	
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## Alcohols

Methyl alcohol	pure	G	G	G	
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Ethyl alcohol	pure	G	G	G	
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Butyl alcohol		G	G	G	
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Glycerin	pure	G	G	G	P
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Glycol		G	G	G	P
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Benzyl alcohol		L	P	P	P
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## Aldehydes and ketones

Acetone	pure	G	G**	L	P
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Acetaldehyde		G	L	P	
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Formaldehyde	technical	G	L	P	
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Cyclohexanone		G	L	P	
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Methylethylketone		G	G	L	P
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Methylisobutylketone		G	G	L	P
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Benzaldehyde		G	L	P	
<b>Chlorinated solvents</b>					
Methyl bromide		G	P		
Methyl chloride		G	P		
Trichloroethylene		L	P		
Perchloroethylene		L	P		
Carbon tetrachloride		P			
Trichloroethane		L	P	P	P

G = Good

L = Limited (swelling of Rilsan® - suitability depends on specific use and duration)

P = Poor

‡ slight browning; \*\* swelling action