

The following tables are represented as guides. If your application requires more detailed data, contact your INEOS Styrenics representative or call the number listed below.

CHEMICAL EXPOSURE			
Reagent	Conc. %	After 7 Days Resistance	After 28 Days Resistance
Organic Compounds			
Acetone	100	Poor (D)	Poor (D)
Aniline	100	Poor (D)	Poor (D)
Benzene	100	Poor (D)	Poor (D)
Carbon tetrachloride	100	Poor (D)	Poor (D)
Diethyl ether	100	Poor (D)	Poor (D)
Dimethyl formamide	100	Poor (D)	Poor (D)
Ethyl acetate	100	Poor (D)	Poor (D)
Ethyl alcohol	95	Good	Fair (C)
Ethyl alcohol	50	Good	Good
Ethylene dichloride	100	Poor (D)	Poor (D)
Heptane	100	Good	Good
Isooctane	100	Good	Good
Isopropyl alcohol	100	Good	Good
Methyl alcohol	100	Good	Fair (C)
Phenol	5	Fair (C)	Poor (C-S)
Toluene	100	Poor (D)	Poor (D)
Inorganic Compounds			
H ₂ O	100	Good	Good
Hydrogen peroxide	3	Good	Good
Hydrogen peroxide	28	Good	Good
Sodium chloride	10	Good	Good
Sodium hypochlorite	5	Good	Good

C – Crazed or whitened
Y – Discolored

PD – Partially dissolved
D – Completely dissolved

S – Highly swollen

CHEMICAL EXPOSURE			
Reagent	Conc. %	After 7 Days Resistance	After 28 Days Resistance
Acids			
Acetic acid	5	Good	Good
Acetic acid	100	Poor (PD)	-
Chromic acid	40	Good	Good
Citric acid	1	Good	Good
Hydrochloric acid	10	Good	Good
Hydrochloric acid	38	Good	Good
Hydrofluoric acid	40	Good	Fair (C)
Nitric acid	10	Good	Good
Nitric acid	40	Good	Fair (Y)
Nitric acid	70	Fair (Y)	-
Oleic acid	100	Good	Good
Sulfuric acid	3	Good	Good
Sulfuric acid	30	Good	Good
Sulfuric acid	98	Poor (PD)	-
Bases			
Ammonium hydroxide	10	Good	Good
Ammonium hydroxide	28	Good	Good
Sodium carbonate	2	Good	Good
Sodium carbonate	20	Good	Good
Sodium hydroxide	1	Good	Good
Sodium hydroxide	10	Good	Good
Sodium hydroxide	60	Good	Good

C – Crazed or whitened
Y – Discolored

PD – Partially dissolved
D – Completely dissolved

S – Highly swollen

CHEMICAL EXPOSURE			
Reagent	Conc. %	After 7 Days Resistance	After 28 Days Resistance
Commercial Products			
Detergent solution	0.025	Good	Good
Soap solution	1	Good	Good
Turpentine	100	Poor (PD)	Poor (PD)
Olive oil	100	Good	Good
Gasoline	100	Poor (PD)	Poor (PD)
Kerosene	100	Good	Good
Mineral oil	100	Good	Good
Transformer oil	100	Good	Good

C – Crazed or whitened
Y – Discolored

PD – Partially dissolved
D – Completely dissolved

S – Highly swollen

INEOS Styrenics

25846 SW Frontage Road | Channahon, IL 60410 | Phone +1.815.423.5541 or +1.866.890.6353 | Fax +1.866.890.6362

INEOS Styrenics International SA

Avenue de la Gare 14 | CH-1700 Fribourg | Switzerland | Phone +41.26.426.56.56 | Fax +41.26.426.56.57 | Email info@ineosstyrenics.com

www.ineosstyrenics.com | www.zylar.com | E-mail info@ineosstyrenics.com

The above information is provided in good faith. INEOS Styrenics is not responsible for any further processing or compounding which may occur after delivery to produce work in progress, finished goods, packaging materials or their components. Further, INEOS Styrenics MAKES NO REPRESENTATIONS OF ANY KIND, EXPRESS OR IMPLIED REGARDING THE INFORMATION GIVEN OR THE PRODUCTS DESCRIBED AND EXPRESSLY DISCLAIMS ALL WARRANTIES, REPRESENTATIONS AND CONDITIONS, INCLUDING WITHOUT LIMITATION, ALL WARRANTIES AND CONDITIONS OF QUALITY, MERCHANTABILITY AND SUITABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Responsibility for use, storage, handling and disposal of the products described herein is that of the purchaser or end user.