

Test conditions (drawing on DIN 53428)

Reaction time: 6 weeks at room temperature, except for concentrated acids, bases and solvents: 7 days at room temperature.

Evaluation criteria:

Changes in tensile strength and elongation at tear (dry samples), volume change.

Evaluation levels:

- 1...Excellent resistance, change in properties of <10%
- 2...Good resistance, change in properties between 10% and 20%
- 3...Moderate resistance, change in some properties of 20%
- 4...Not resistance, change in all properties of more than 20%

| | Special products and combination materials | | | | Special products and combination materials | | | | | | | | | | | | |
|------------------------------------|--|------------|-------------|-----------------------|--|-------------|-------------|------------------------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-----|-----|---|
| | Sylomer® | Sylodyn® N | Sylomer® HD | Sylomer® EK | Sylomer® CT | Sylomer® LT | Sylomer® EA | Sylomer® | Sylodyn® N | Sylomer® HD | Sylomer® EK | Sylomer® CT | Sylomer® LT | Sylomer® EA | | | |
| Water / aqueous solutions | | | | | | | | Oil and Fats | | | | | | | | | |
| Water | 1 | 1 | 1 | 1 | 1 | 1 | 1 | ASTM Oil No. 1 | 1 | 1 | 1 | 1 | 1 | - | 1 | | |
| Ferrous chloride 10% | 1 | 1 | 1 | 1 | 1 | 1 | 1 | ASTM Oil No. 3 | 1 | 1 | 1 | 1 | 1 | - | 1 | | |
| Sodium carbonate 10% | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Drilling oil | 2 | 2 | 2 | 3 | 2-3 | - | 2 | | |
| Sodium chlorate 10% | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Hydraulic oils | depending on composition/additives | | | | | | | | |
| Sodium chloride 10% | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Motor oil | 1 | 1 | 1 | 1 | 1 | - | 1 | | |
| Sodium hydrogen carbonate 10% | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Terpentine oil | 3 | 3 | 3 | 3 | 3 | - | 3 | | |
| Sodium nitrate 10% | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Forming oil | 1 | 1 | 1 | 2 | 1-2 | - | 1 | | |
| Herbicides (various) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Silicone oil | 1 | 1 | 1 | 1 | 1 | - | 1 | | |
| Tensides (various) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Salad oil | 1 | 1 | 1 | 1 | 1 | - | 1 | | |
| Hydrogen peroxide 3% | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Flange lubricant | 1-2 | 1-2 | 1-2 | 1-2 | 2 | - | 1 | | |
| Concrete slurry | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Point grease | 1-2 | 1-2 | 1-2 | 1-2 | 1-2 | - | 1-2 | | |
| Acids and Bases* | | | | | | | | Solvents | | | | | | | | | |
| Formic acid | 4 | 4 | 4 | 4 | 4 | - | 4 | Acetone | 4 | 4 | 4 | 4 | 4 | - | 4 | | |
| Acetic acid | 3 | 3 | 3 | 4 | 2-4 | 3 | 3-4 | Ethyl acetate | 4 | 4 | 4 | 4 | 4 | - | 4 | | |
| Phosphoric acid | 2 | 2 | 2 | 3 | 2-3 | 2 | 2 | Diesel/heating oil | 2 | 2 | 2 | 2 | 2 | - | 2 | | |
| Nitric acid | 4 | 4 | 4 | 4 | 4 | 4 | 4 | Motor gasoline/petrol | 3 | 3 | 3 | 2-3 | 3 | - | 3 | | |
| Hydrochloric acid | 3 | 3 | 3 | 4 | 3-4 | 3 | 3-4 | Glycerin | 1 | 1 | 1 | 1 | 1 | - | 1 | | |
| Sulfuric acid | 3 | 3 | 3 | 4 | 4 | 2-3 | 3 | Glycols | 1-2 | 1-2 | 1-2 | 2 | 2 | - | 1-2 | | |
| Ammonia solution | 3 | 3 | 3 | 4 | 3-4 | - | 3 | Cleaning benzine/hexan | 1 | 1 | 1 | 1 | 1 | - | 1 | | |
| Potassium lye | 2 | 2 | 2 | 4 | 2-4 | - | 2 | Methanol | 3 | 3 | 3 | 2 | 2-3 | - | 3 | | |
| Soda lye | 2 | 2 | 2 | 4 | 2-4 | - | 2 | thinner | 4 | 4 | 4 | 3-4 | 4 | - | 4 | | |
| | | | | Aromatic hydrocarbons | | | | | 4 | 4 | 4 | 4 | 4 | - | 4 | | |
| Resistance to other factors | | | | | | | | | | | | | | | | | |
| Hydrolysis | | | | | 1 | | | | 2-3 | | | | 2-3 | | | - | 2 |
| Ozone | | | | | 1 | | | | 1 | | | | 1 | | | 3 | 1 |
| UV radiation and weather | | | | | 1-2 | | | | 2 | | | | 1 | | | 2-3 | 2 |
| Biological stability | | | | | 1 | | | | 1** | | | | 1** | | | - | 1 |

All data presented is based on current knowledge and experiences.
We reserve the right to make change in the interests of improving the products.

- * Resistance to acids and bases should be viewed in relation to the concentration.
- ** With fungicide.