

Chemical resistance of used plastics and elastomers

| | TPU | Polyamide | Nidril-rubber (NBR) | Fluor-rubber (FPM) |
|---------------------------|------|-----------|---------------------|--------------------|
| Hydrocarbons | | | | |
| Gasoline, normal grade | ■ | ■ | ■ | ■ |
| Heating oil, diesel oil | ■ | ■ | ■ | ■ |
| Benzol | — | ■ | — | ■ |
| Naphalin | ■ | ■ | ■ | |
| Alcohols | | | | |
| Ethyl alcohol | | □ | ■ | ■ |
| Isopropanol | □ | □ | ■ | ■ |
| Glykol | ■ | — | ■ | ■ |
| Glycerin | ■ | ■ | ■ | □ |
| Ketone | | — | ■ | |
| Aceton | — | ■ | — | — |
| Acids | | | | |
| Hydrochloric acid 20% | ■ 3% | — | □ | ■ |
| Nitric acid 10% | — 3% | — | □ | ■ |
| Phosphoric acid 30% | ■ 3% | — | ■ | ■ |
| Sulphuric acid 30% | ■ 3% | — | ■ | ■ |
| Citric acid | ■ 3% | ■ | ■ | ■ |
| Lactic acid 10% | ■ 3% | ■ | □ | ■ |
| Acetic acid 10% | ■ 3% | □ | ■ | ■ |
| Bases | | | | |
| Soda lye 10% | ■ 3% | ■ | □ | □ |
| Ammonia solution, diluted | ■ 3% | ■ | ■ | ■ |
| Oils, lubricants | | | | |
| Mineral oils | ■ | ■ | ■ | □ |
| ASTM oil 1 | ■ | | | |
| ASTM oil 2 | ■ | | | |
| ASTM oil 3 | ■ | | | |
| Hydraulic oils | ■ | ■ | | |
| Detergents | | | | |
| Washing agents | | ■ | ■ | ■ |
| Detergents | | ■ | ■ | ■ |
| Sea water | ■ | ■ | ■ | ■ |

■ resistant

□ conditionally resistant

— not resistant