

WEICON lubricants and their behaviour towards sealing materials (elastomers)

| Elastomers | Product | | | | | | |
|--------------------------------------|---------|------|------|------|------|-----------------|--------------------|
| | AL-T | AL-M | AL-W | AL-H | AL-F | Silicone Grease | Silicone Grease HV |
| ACM acrylate rubber | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| CR chloroprene rubber | + | + | + | + | + | ++ | ++ |
| CSM chlorosulphonated PE rubber | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| EPDM ethylene propylene diene rubber | -- | -- | -- | -- | -- | ++ | ++ |
| FKM fluoro rubber | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| NBR nitrile butadiene rubber | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| NR natural rubber | 0 | -- | -- | -- | -- | ++ | ++ |
| SBR styrene butadiene rubber | 0 | -- | -- | -- | -- | ++ | ++ |
| SQM/MVQ silicone rubber | ++ | ++ | ++ | ++ | ++ | ++ | ++ |

++ = resistant + = limited resistance 0 = not tested, preliminary tests or resistance tests are recommended -- = not resistant

Date: 13/06/2024

WEICON lubricants and their behaviour towards plastics

| Plastic | Product | | | | | | |
|---|---------|------|------|------|------|-----------------|--------------------|
| | AL-T | AL-M | AL-W | AL-H | AL-F | Silicone Grease | Silicone Grease HV |
| ABS | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| CA cellulose acetate | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| EPS expanded polystyrene | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| PA polyamide | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| PC polycarbonate | -- | -- | -- | + | -- | ++ | ++ |
| PE polyethylene | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| PE-UHMW polyethylene with ultra high molecular weight | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| PE-LD polyethylene with low density | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| PET polyethylene terephthalate | + | + | + | ++ | + | ++ | ++ |
| POM polyoxymethylene | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| PP polypropylene | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| PPO polyphenylene oxide | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| PS polystyrene | + | + | + | ++ | + | ++ | ++ |
| PTFE polytetrafluoroethylene | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| PUR polyurethane | + | + | + | ++ | + | ++ | ++ |
| PVC polyvinyl chloride | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| TPE thermoplastic elastomers | 0 | 0 | 0 | 0 | 0 | ++ | ++ |

++ = resistant + = limited resistance 0 = not tested, preliminary tests or resistance tests are recommended -- = not resistant

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The stated resistances are based on laboratory tests and literature references. Due to the large number of raw materials used on the one hand and the complex chemical and morphological structure of the polymers on the other, no guarantee can be given. In critical applications, we recommend carrying out tests and/or consulting our application technology department.