NORRES BAGGERMAN
Leading Performance.

# Properties table - 2

| | Polyvinyl chloride **PVC** | Polyurethane rubber **PUR** | Natural rubber **NR** | Styreen-butadiene rubber **SBR** | Ethylene propylene diene monomer rubber **EPDM** | Acrylonitrile-butadiene rubber (nitrile) **NBR** | Chloroprene rubber (Neoprene) **CR** | Silicone rubber **SI (Q)** | Cross-linked polyethylene **UPE / XLP** |
|---|---|---|---|---|---|---|---|---|---|
| **Maximum temperature in:** | | | | | | | | | |
| Dry air | +140 °F | +176 °F | +158 °F | +158 °F | +248 °F | +194 °F | +194 °F | +356 °F | +151 °F |
| Hot oil | - | +140 °F | - | - | - | +248 °F | +140 °F | - | +140 °F |
| Hot water | +140 °F | +104 °F | +158 °F | +176 °F | +284 °F | +194 °F | +158 °F | +212 °F | +151 °F |
| **Minimum temperature:** | +14 °F | -4 °F | -40 °F | -22 °F | -58 °F | -4 °F | -22 °F | -76 °F | -58 °F |
| **General resistance to:** | | | | | | | | | |
| Mineral oils and fats | moderate | good | low | low | low | excellent | good | moderate | good up to +140 °F |
| Animal / vegetable oils and fats | moderate | good | low/moderate | low/moderate | good | excellent | good | moderate | good |
| Diluted acids | good | moderate | moderate/good | moderate/good | excellent | good | excellent | excellent | excellent |
| Concentrated acids | low/moderate | low | moderate/good | moderate/good | good | moderate/good | good | moderate | excellent |
| **Resistance to certain solvents:** | | | | | | | | | |
| Aliphates; gasoline, etc. | low | moderate/good | low | low | low | excellent | moderate/good | low | good |
| Aromatics; toluene, benzene, etc. | low | low | low | low | low | good | moderate | low | good |
| Esters, ethers, alcohol | low | low | good | good | excellent | none | low/moderate | moderate | excellent |
| Chlorinated solvents (tetra, tri, etc.) | low | low | low | low | low/moderate | moderate | low | low | good |
| Resistance to water absorption | good | excellent | excellent | good/excellent | excellent | good | good | excellent | excellent |
| Resistance to sunlight + ozone | moderate | excellent | low | low | excellent | moderate | excellent | excellent | good |
| Elasticity | good | good | excellent | good | moderate/good | moderate/good | moderate/good | good | good |
| Dimensional stability | low | moderate | good | good | good | good | good | moderate | low |
| Wear resistance | good | excellent | excellent | excellent | good | good | excellent | low | moderate |
| Permeability | low | fairly low | fairly low | fairly low | fairly low | low | low | fairly low | low |
| Electrical insulation | good | good | good/excellent | good/excellent | excellent | none | moderate/good | excellent | good |
| Hardness range (Shore A) | 60 - 85 | 50 A - 75 D | 30 - 90 | 40 - 90 | 40 - 90 | 40 - 95 | 40 - 95 | 40 - 85 | - |
| Flame resistance | none | none | low | low | low | low | good | moderate | none |
| Tensile strength | 20 - 30 MPa | 20 - 30 MPa | 18 - 30 MPa | 15 - 25 MPa | 10 - 20 MPa | 15 - 20 MPa | 15 - 20 MPa | 10 - 20 MPa | 30 - 35 MPa |
| Properties | chemically resistant, lightweight, colorfast, food-grade (optional), physiologically harmless | elastic, high mech. strength, wear-resistant, resistant to ozone, oxidation, oil and gasoline, gas-tight, notch-tough, chemically resistant | elastic, cold-resistant, wear-resistant; resistant to dilute acids and to water and alcohol at low temperatures | resistant to oil-laden air, water, industrial water, glycol | heat-resistant, steam-resistant, ozone-resistant, aging-resistant, UV-resistant and chemically resistant | resistant to mineral oil products, fats and fuels, inorganic acids at low concentrations and temperatures | chemically resistant, aging-resistant, ozone-resistant, weather-resistant, flame-resistant | temperature-resistant, cold-resistant, ozone-resistant, odorless and tasteless | chemically resistant, oxidation-resistant, stable, gas-tight |
| Thermal properties | -31 °F / +158 °F | -22 °F / +194 °F | -76 °F / +176 °F | -58 °F / +212 °F | -58 °F / +320 °F | -22 °F / +212 °F | -49 °F / +212 °F | -76°F / +392 °F short-term up to 482 °F | -58 °F / +194 °F |