

Abbreviation AU or EU

Chemical Definition Polyester / Polyether Urethane

Physical & Mechanical Properties

Durometer or Hardness Range 35 - 95 Shore A
Tensile Strength Range 35 - 420 kg/cm²
Elongation (Range %) 250 % - 900 %
Abrasion Resistance, Excellent
Adhesion to Metal, Excellent
Adhesion to Rigid Materials, Good
Compression Set, Poor to Good
Flex Cracking Resistance, Fair to Good
Impact Resistance, Good to Excellent
Resilience / Rebound, Poor to Good
Tear Resistance, Good to Excellent
Vibration Dampening, Fair to Good

Thermal Properties

Low Temperature Range - 53,8 °C to - 40 °C
Minimum for Continuous Use (Static) - 53,8 °C
Brittle Point - 51,1 °C to - 62,2 °C
High Temperature Range + 82,2 °C to + 104,4 °C
Maximum for Continuous Use (Static) + 93,3 °C

Environmental Performance

Colorability, Good to Excellent
Flame Resistance, Poor to Good
Gas Permeability, Good to Excellent
Odor, Excellent
Ozone Resistance, Excellent
Oxidation Resistance, Good to Excellent

Chemical Resistance

Acids, Dilute, Fair to Good
Acids, Concentrated, Poor
Acids, Organic (Dilute), Fair
Acids, Organic (Concentrated), Poor
Acids, Inorganic, Poor to Fair
Alcohol's, Good
Aldehydes, Poor
Alkalies, Dilute, Fair to Good
Alkalies, Concentrated, Poor to Good
Amines, Poor to Good
Animal & Vegetable Oils, Fair to Excellent
Brake Fluids, Non-Petroleum Based, Poor
Diester Oils, Poor to Good
Esters, Alkyl Phosphate, Poor
Esters, Aryl Phosphate, Poor
Ethers, Fair
Fuel, Aliphatic Hydrocarbon, Good to Excellent
Fuel, Aromatic Hydrocarbon, Poor to Fair
Fuel, Extended (Oxygenated), Fair to Good
Halogenated Solvents, Poor to Good
Hydrocarbon, Halogenated, Fair to Good
Ketones, Poor
Lacquer Solvents, Poor
LP Gases & Fuel Oils, Fair to Good
Mineral Oils, Good to Excellent
Oil Resistance, Good
Petroleum Aromatic, Good
Petroleum Non-Aromatic, Good
Refrigerant Ammonia, Poor
Refrigerant Halofluorocarbons R-12
Refrigerant Halofluorocarbons w/ Oil R-12
Silicone Oil, Excellent
Solvent Resistance, Poor



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