

Abbreviation CR

Chemical Definition Polychloroprene

Physical & Mechanical Properties

Durometer or Hardness Range 20 – 95 Shore A
Tensile Strength Range 35 - 210 kg/cm²
Elongation (Range %) 100 % – 800 %
Abrasion Resistance, Very Good to Excellent
Adhesion to Metal, Excellent
Adhesion to Rigid Materials, Good to Excellent
Compression Set, Poor to Good
Flex Cracking Resistance, Good
Impact Resistance, Good to Excellent
Resilience / Rebound, Fair to Good
Tear Resistance, Good to Excellent
Vibration Dampening, Good to Excellent

Thermal Properties

Low Temperature Range - 56,6 °C to - 34,4 °C
Minimum for Continuous Use (Static) - 62,2 °C
Brittle Point - 65 °C
High Temperature Range + 93,3 °C to + 121,1 °C
Maximum for Continuous Use (Static) + 121,1 °C

Environmental Performance

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

Chemical Resistance

Acids, Dilute, Excellent
Acids, Concentrated, Poor
Acids, Organic (Dilute), Good to Excellent
Acids, Organic (Concentrated), Poor to Good
Acids, Inorganic, Good to Excellent
Alcohols, Excellent
Aldehydes, Poor to Fair
Alkalies, Dilute, Good
Alkalies, Concentrated, Poor
Amines, Poor to Good
Animal & Vegetable Oils, Good
Brake Fluids, Non-Petroleum Based, Fair
Diester Oils, Poor
Esters, Alkyl Phosphate, Poor
Esters, Aryl Phosphate, Poor to Fair
Ethers, Poor
Fuel, Aliphatic Hydrocarbon, Poor to Good
Fuel, Aromatic Hydrocarbon, Poor to Fair
Fuel, Extended (Oxygenated), Fair
Halogenated Solvents, Poor
Hydrocarbon, Halogenated, Poor
Ketones, Poor to Fair
Lacquer Solvents, Poor
LP Gases & Fuel Oils, Good
Mineral Oils, Fair to Good
Oil Resistance, Fair
Petroleum Aromatic, Good
Petroleum Non-Aromatic, Good
Refrigerant Ammonia, Excellent
Refrigerant Halofluorocarbons R-11, R-12, R-13, R-21, R-22
Refrigerant Halofluorocarbons w/ Oil R-11, R-12, R-22
Silicone Oil, Fair to Excellent
Solvent Resistance, Fair



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