



Abbreviation

FKM

ASTM D-2000 Classification

HK

RRP Compound Number Category

90000 Series

◆ **Physical & Mechanical Properties**

Durometer or Hardness Range

50 – 95 Shore A

Tensile Strength Range

500 – 2,000 PSI

Elongation (Range %)

400 % – 500 %

Abrasion Resistance

Fair to Good

Adhesion to Metal

Good to Excellent

Adhesion to Rigid Materials

Fair to Good

Compression Set

Good to Excellent

Flex Cracking Resistance

Fair to Good

Impact Resistance

Good

Resilience / Rebound

Poor to Fair

Tear Resistance

Fair to Good

Vibration Dampening

Fair to Good

◆ **Chemical Resistance**

Acids, Dilute

Good to Excellent

Acids, Concentrated

Good to Excellent

Acids, Organic (Dilute)

Fair to Good

Acids, Organic (Concentrated)

Poor to Good

Acids, Inorganic

Good to Excellent

◆ **Chemical Resistance**

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



◆ **Thermal Properties**

Low Temperature Range	-30° F to 0° F
Minimum for Continuous Use (Static)	+ 10° F to - 30° F
Brittle Point	0° F to - 40° F
High Temperature Range	+ 450° F to + 500° F
Maximum for Continuous Use (Static)	+ 500° F

◆ **Environmental Performance**

Colorability	Good to Excellent
Flame Resistance	Good to Excellent
Gas Permeability	Good to Excellent
Odor	Good
Ozone Resistance	Excellent
Oxidation Resistance	Excellent
Radiation Resistance	Fair to Good
Steam Resistance	Good to Excellent
Sunlight Resistance	Good to Excellent
Taste Retention	Fair to Good
Weather Resistance	Excellent
Water Resistance	Excellent

