Fluoro (Viton) Rubber

Excellent resistance to heat and mineral oil combinations hot greases, wide range of concentrated acids, fuels and solvent, aliphatic and aromatic hydrocarbons. It exhibits good abrasion and tear resistance. Widely used elastomer offering industry high performance in a variety of applications requiring outstanding fluid resistance and low permeability to gases. It also benefits from good temperature extremes, good resistance to atmospheric oxidation, fungus and mould.

Standard Color :	Black		
Work Temperature:	-20 °C -- 250 °C		
Specification :	Test Method	Unit	Test Result
Specific Gravity	ASTM D792	g/cm3	2.0+-0.1
Hardness	ASTM D2240	Shore A	75+-5
Tensile Strength	JIS K6301	kgf/cm2	160
Tear Strength	ASTM D-412	kgf/cm	80
100% Modulus	ASTM D-412	kgf/cm2	86
Elongation	JIS K6301	%	300
Compression Set (Using a 3.5 mm dia.O-ring)	72H at 25°C		6%
	72H at 100°C		11%
	72H at 150°C		12%
	72H at 175°C		16%
	72H at 200°C		22%
Aging Properties, 230ºC, 72 hours	Hardness Change		+0 shore A
	Tensile Strength Change		-6%
	Elongation Change		+4%
Aging Properties, 275ºC, 72 hours	Hardness Change		+1 shore A
	Tensile Strength Change		-28%
	Elongation Change		+22%
Oil Resistance Properties, test by gasoline, under 40ºC, 70 hours	Hardness Change		-4 shore A
	Tensile Strength Change		-18%
	Elongation Change		-4%
	Volume Change		+3.5%