

Dynamix

FKM COMPOUND GASOLINE AND ETHENOL APPLICATION

Product Description

Chemical Composition	Copolymer of VF2 + HFP with 67% Fluorine
Application	O-RING , GASKET, AND GENERAL MOLDING
Colour	Black
Storage stability	Excellent
Form	Sheets / Slabs (1kg, 5kg or 20kg packing)

Physical Properties

Grade	Unit	Test Method	HKC 70 GE	HKC 80 GE
Specific Gravity	gm/cm ³	ASTM D 792	1.87	1.87
Hardness (±5)	Shore A	ASTM D 2240	70	80
Tensile Strength	kg/cm ²	ASTM D 412	120	120
Elongation at break	%	ASTM D 412	200	180

Compression Set 200°C X 70 hrs

%	ASTM D 395 B	20	23
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Heat Aging, 250 °C X 70 hrs

ASTM D 573

Tensile Change	%	-3	-2
Elongation Change	%	-4	-3
Hardness Change	points	+1	+1

Curing Conditions:

Press Cure : 170°C x 10 min.

Oven Cure : 230°C x 24 hrs

Temperature Resistance

-20° to +200°C

TR10 (temperature of retraction): -14°C

Technical Notes:

Above compounds are standard compounds, can be designed as per customers specification i.e. Specific Application such as Heat Resistance, Compression Set, Excellent Chemical resistance, Rheology and Processing.

Colour compounds are available as per specification and colour.

Chemical Resistance

Fluid	Temperature °C	Time (days)	% Volume Change
Fuel C	23	7	5
Fuel C 85% / Ethanol 15%	23	7	14
Fuel C 85% / Methanol 15%	23	7	22
Ethanol	23	7	2
Gasoline	23	7	2
Iso-octane	20	21	2
Methanol	20	7	40
Toluene	70	7	15

Manufactured by:



Techno Polymer Industries

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