Dynamix

FKM COMPOUND
OIL SEAL APPLICATION

Product Description	
Chemical Composition	Copolymer of VF2 + HFP with 66% Fluorine
Application	OIL SEAL
Colour	Black
Storage stability	Excellent
Form	Sheets / Slabs (1kg, 5kg or 20kg packing)

Physical Properties

Grade	**Unit**	**Test Method**	**HKC BS 60**	**HKC BS 70**	**HKC BS 80**
Specific Gravity	gm/cm^3	ASTM D 792	1.86	1.86	1.86
Hardness (±5)	Shore A	ASTM D 2240	60	70	80
Tensile Strength	kg/cm^2	ASTM D 412	100	130	130
Modulus @ 100%	kg/cm^2	ASTM D 412	25	45	65
Elongation at break	%	ASTM D 412	275	250	225
Compression Set 200°C X 70 hrs	%	ASTM D 395 B	20	20	23
Heat Aging, 250 °C X 70 hrs		ASTM D 573			
Tensile Change	%		-6	-2	-7
Elongation Change	%		-4	-5	-4
Hardness Change	points		+1	+1	+3
Oil and Fuel Resistance: Volume Change (%)					
ASTM No.1 Oil (22 Hrs @ 150°C)		ASTM D 471	+4	+4	+4
Fuel C, (70 Hrs @ 23°C)		ASTM D 471	+4	+4	+4

Curing Conditions:

Press Cure : 170°C x 10 min.

Oven Cure : 230°C x 24 hrs

(Special Compounds for low post curing time are available on request)

Temperature Resistance

-20° to +200°C

TR10 (temperature of retraction): -16°C

Technical Notes:

Recommended Bonding Agent: Metaloc S-7 made in Japan by Toyo Kagaku Kenkyusho Co. Ltd.

Colour compounds are available as per specification and colour.

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.

Chemical Resistance

Concentrated acids	Good
Acetone	Poor
Benzene	Fair
Crude oil	Good
Toluene	Good
Fuel C	Good
Gasoline	Good
Ethanol	Good
Methylene chloride	Good
MEK	Poor
MIBK	Poor
Water < 100°C	Fair

Manufactured by:

Techno Polymer Industries

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