

Dynamix

FKM COMPOUND GENERAL MOULDING APPLICATION

Product Description

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



Physical Properties

Grade	Unit	Test Method	HKC M 60	HKC M 70	HKC M 80	HKC M 90
Specific Gravity	gm/cm ³	ASTM D 792	1.86	1.86	1.86	1.86
Hardness (±5)	Shore A	ASTM D 2240	60	70	80	90
Tensile Strength	kg/cm ²	ASTM D 412	100	130	130	135
Modulus @ 100%	kg/cm ²	ASTM D 413	28	38	75	90
Elongation at break	%	ASTM D 412	260	240	220	180

Compression Set

200°C X 70 hrs	%	ASTM D 395 B	20	22	24	25
-----------------------	---	--------------	----	----	----	----

Heat Aging, 250 °C X 70 hrs

		ASTM D 573				
Tensile Change	%		-6	-7	-5	-5
Elongation Change	%		-7	-5	-6	-7
Hardness Change	points		+1	+1	+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): -16°C

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

Technical Notes:

Moulding Compounds are designed for Compression and Transfer moulding. Compounds for Injection moulding are available on request

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

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

406, Rainbow Chambers, Poinsur, S.V.Road, Kandivali (W), Mumbai 400 067 (India)

Tel: 28652307 / 32522622 Fax: 91-22-28612795 E-mail: info@dynamixcompound.com / tpiaje@gmail.com Web: www.dynamixcompound.com