

# Dynamix

## FKM COMPOUND CNG APPLICATION

### Product Description

Chemical Composition	Copolymer of VF2 + HFP with 67% Fluorine
Application	CNG KIT
Colour	Black
Storage stability	Excellent
Form	Sheets / Slabs (1kg, 5kg or 20kg packing)

### Physical Properties

Grade	Unit	Test Method	HKCNG C 60	HKCNG C 70	HKCNG O 70	HKCNG O 80
Application			Diaphragms	Diaphragms	O-Ring	O-Ring
Specific Gravity	gm/cm <sup>3</sup>	ASTM D 792	1.87	1.87	1.87	1.87
Hardness (±5)	Shore A	ASTM D 2240	60	70	70	80
Tensile Strength	kg/cm <sup>2</sup>	ASTM D 412	105	140	140	140
Elongation at break	%	ASTM D 412	230	200	200	180
<b>COMPRESSION SET 200°C X 70 hrs</b>	%	ASTM D 395 B	20	20	20	22
<b>CNG IMMERSION TEST#</b>			20	20	18	18
<b>ODR at 177°C, 3° Arc, 12 min</b>						
ML Minimum Torque	in-lb		44	48	45.00	45.00
MH Maximum Torque	in-lb		103	120	120.00	122.00
ts2 Induction Time	min		1.8	1.43	1.50	1.30
Tc90 Curing Time	min		7.6	7.62	5.45	5.50

### Curing Conditions:

Press Cure : 170°C x 10 min.

Oven Cure : 230°C x 24 hrs

# CNG IMMERSION TEST: CNG at room temperature and 20MPa pressure for 70 hr (Change in Volume)

### 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.**

### 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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