

# Dyneon™

## Fluoroelastomers

### FPO 3741

#### Typical Properties (Data not for specification purposes)

Fluorine Content (%)	69.5
Specific Gravity [OCM 14.10]	1.89
Color	White
Mooney Viscosity ML(1 + 10) @ 121°C (250°F)	38

#### Typical Properties of Vulcanizate

Compound (phr)	
FPO 3741	100
N990	30
TMAIC	2.5
Trigonox™ 101-50D	4.0

#### Typical Rheological Properties

##### Alpha Technologies Moving Die Rheometer (MDR2000) 100 cpm, 0.5°Arc, 12 minutes @ 177°C (350°F)

ML, Minimum Torque, inch-lbs	0.7
ts2, Time to 2 inch-lb rise from minimum - minutes	1.0
t'50, Time to 50% cure - minutes	2.3
t'90, Time to 90% cure - minutes	5.0
MH, Maximum Torque, inch-lbs	22.0

#### Typical Physical Properties

##### Press Cure 15 min. @ 180°C (356°F)

Tensile psi (MPa)	2610 (18)
100% Mod. psi (MPa)	650 (4.5)
Elongation (%)	220
Hardness (Shore A)	72

##### Post Cure 2 hours @ 180°C (356°F)

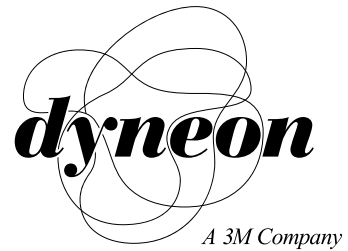
Tensile psi (MPa)	3200 (22)
100% Mod. psi (MPa)	840 (5.8)
Elongation (%)	210
Hardness (Shore A)	75

#### Compression set [ASTM D 395 Method B, Buttons]

70 hours @ 200°C (392°F) (%)	30
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#### Retraction at Lower Temperatures in Ethanol [ASTM D 1329]

TR10 °C (°F)	-6 (21)
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### Technical Information and Test Data:

Technical information, test data and advice provided by Dyneon personnel are based on information and tests we believe are reliable and are intended for persons with knowledge and technical skills sufficient to analyze test types and conditions, and to handle and use raw polymers and related compounding ingredients. No license under any Dyneon or third party intellectual rights is granted or implied by virtue of this information.

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Issued: 11/05

Printed in USA

98-0504-1604-3

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### Dyneon Sales Offices:

Dyneon LLC

6744 33rd Street North

Oakdale, MN 55128

Phone: +1 800 723 9127

+1 651 733 5353

Fax: +1 651 737 7686

3M Belgium N.V.

Canadastraat 11, Haven 1005

B-2070 Zwijndrecht

Belgium

Phone: +32 3 250 7537

Fax: +32 3 250 7905

Sumitomo 3M Limited

33-1 Tamagawadai 2-chome

Setagaya-ku, Tokyo

158 Japan

+81 03 3709 8111

### Product Information:

+ 1 651 733 5353

+ 1 800 723 9127

**www.dyneon.com**

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