

FPM/300



Material Data Sheet

Compound

FPM/300

Rev.2

Designation

FPM/FKM

Apr. 2009

Material type: Fluoroelastomer Rubber 80 Shore A. Copolymer of vinylidene fluoride and hexafluoropropylene. Extraction tested by independent laboratory in accordance with FDA CFR21:177.2600, and for biological response according to USP Class VI. Also complies with the requirements of NSF 61 and 3-A 18-03 Sanitary Standards Class I.



Color: Green
Temperature Range: Min. -30°C Max. +200°C
Storage recommendation: According to ISO 2230
Specification: ASTM D2000 M2HK 810 A110 B38 EF31 E088

810 Physical Properties	Unit	Test method	Value
Hardness, Shore A	pts	D2240	80.00
Tensile strength	MPa	D412	12.61
Ultimate Elongation	%	D412	130.00
Modulus at 100%	MPa	D412	11.57
Specific gravity		D297	2.08

A 110 Heat Resistance, 70h at 250°C

Change in Hardness	pts	D573	2.00
Change in Tensile strength	%	D573	-6.00
Change in Ultimate Elongation	%	D573	-9.00
Change in Volume	%	D573	-3.00

B 38 Compression set, Method B

22h at 200°C	%	D395	13
--------------	---	------	----

EF 31 Fluid Resistance, Reference Fuel C, 70h at 23°C

Change in Hardness	pts	D471	-2.00
Change in Tensile strength	%	D471	-17.00
Change in Ultimate Elongation	%	D471	-5.00
Change in Volume	%	D471	2.00

E 088 Oil Resistance, Blend 7700, 70h at 200°C

Change in Hardness	pts	D471	-9.00
Change in Tensile strength	%	D471	-26.00
Change in Ultimate Elongation	%	D471	-16.00
Change in Volume	%	D471	17.00

The results given in this datasheet are obtained on standard specimen following standard test procedures and are not comparable to finished products due to differences in the products profile. It is the customer's responsibility to evaluate parts prior to use in order to assure that parts will perform satisfactorily in their application.