


FPM/300				 - Part of Diploma PLC
Material Data Sheet	Compound	V8003F	Rev.2C	
	Designation	FPM/300	May. 2016	

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 II.



Color: Green
Temperature Range: Min. -30°C Max. +200°C
Storage recommendation: According to ISO 2230

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
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
Compression set, Method B			
22h at 200°C	%	D395	13
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
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

For USP class VI approval, we refer to Toxikon report no. 06-5746-G1, raw material FPM V8003F
For FDA test of Migration, we refer to SGS report no. CY/2014/80933
According to EU 1935/2004