


FPM/310				 - Part of Diploma PLC
Material Data Sheet	Compound	V7001F	Rev.0	
	Designation	FPM	Jan. 2017	

**Material type:** Fluoroelastomer Rubber 70 Shore A.  
In accordance with FDA CFR21:177.2600.



**Color:** Black  
**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	70 +/-5
Tensile strength	MPa	D412	>10
Ultimate Elongation	%	D412	>150
Specific gravity		D297	
<b>Heat Resistance, 70h at 275°C</b>			
Change in Hardness	pts	D573	+/-10
Change in Tensile strength	%	D573	+/-30
Change in Ultimate Elongation	%	D573	+/-50
<b>Compression set, Method B</b>			
22h at 200°C	%	D395	<25
<b>Oil Resistance, ASTM OIL IRM901, 70h at 200°C</b>			
Change in Hardness	pts	D471	-15/+5
Change in Tensile strength	%	D471	+/-40
Change in Ultimate Elongation	%	D471	-20/+30
Change in Volume	%	D471	15

#### Test Results:

US FDA 21 CFR 177.2600

Unit: mg/inch<sup>2</sup>

Test Items	Test Condition	MDL	Content	Limit
Extractives of distilled water	Reflux for 7h	0.2	N.D.	20
	Continue to extract, 2h	0.2	N.D.	1
Extractives of n-hexane	Reflux for 7h	0.2	0.51	175
	Continue to extract, 2h	0.2	0.24	4

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.