


EPDM/402				
Material Data Sheet	Compound	E7050PF	Rev.1A	
	Designation	EPDM/402	May 2010	

Material type: Peroxide cured, Ethylene Propylene Terpolymer 75 Shore A.

Extraction tested by independent laboratory in accordance with FDA CFR21:177.2600, 3-A Sanitary Standards Class 2 and for biological response according to USP Class VI. Also complies with the requirements of NSF.



Color: Light Grey

Temperature Range: Min. -40°C Max. +150°C

Storage recommendation: According to ISO 2230

Specification: ASTM D2000 M4DA 710 A26 B36 C32 EA14 F17

710 Physical Properties	Unit	Test method	Value
Hardness, Shore A	pts	D2240	75.00
Tensile strength	MPa	D412	11.00
Ultimate Elongation	%	D412	585.00
Modulus at 100%	MPa	D412	3.60
Specific gravity		D297	1.37
A 26 Heat Resistance, 70h at 150°C			
Change in Hardness	pts	D865	2.80
Change in Tensile strength	%	D865	12.00
Change in Ultimate Elongation	%	D865	-25.00
Change in Volume	%	D865	-1.00
B 36 Compression set, Method B			
22h at 150°C	%	D395	25
C 32 Ozone Resistance, Ozone Exposure Method B 72h at 40°C			
50 pphm x 20% Stretch		D1171	No cracks
EA 14 Water Resistance, 70h at 100°C			
Change in Hardness	pts	D471	-3.30
Change in Tensile strength	%	D471	-14.00
Change in Ultimate Elongation	%	D471	46.00
Change in Volume	%	D471	2.00
F17 Low Temperature Resistance, Method A			
3min. at -40°C		D2137	Non Brittle

For USP class VI approval, we refer to Toxikon report no. 06-3244-G1, rawmaterial EPDM E7050PF