

EPDM/400



Material Data Sheet	Compound	E8008PF	Rev.2A
	Designation	EPDM/400	May 2010

Material type: Peroxide cured, Ethylene Propylene Terpolymer 80 Shore A.

Extraction tested by independent laboratory in accordance with FDA CFR21:177.2600, 3-A 18-03 Sanitary Standards Class II(8*) and for biological response according to USP Class VI. Also complies to the requirements of NSF.

*Not recommended for milk fat concentrations higher than 8%



Color: Black
Temperature Range: Min. -40°C Max. +140°C (150°C Short term)
Storage recommendation: According to ISO 2230
Specification: ASTM D2000 M7CA 810 A25 B35 F17

810 Physical Properties	Unit	Test method	Value
Hardness, Shore A	pts	D2240	81.00
Tensile strength	MPa	D412	14.96
Ultimate Elongation	%	D412	160.00
Modulus at 100%	MPa	D412	7.34
Specific gravity		D297	1,17
A 25 Heat Resistance, 70h at 125°C			
Change in Hardness	pts	D865	3.00
Change in Tensile strength	%	D865	3.00
Change in Ultimate Elongation	%	D865	-5.00
B 35 Compression set, Method B			
22h at 125°C	%	D395	10
B 35 Compression set, Method B – 3 tests done			
24h at 150°C	%	D395	19,8
24h at 150°C	%	D395	23,3
24h at 150°C	%	D395	21,36
F17 Low Temperature Resistance, Method A			
3min. at -40°C		D2137	Non Brittle

For USP class VI approval, we refer to Toxikon report no. 05-5566-G1, rawmaterial EPDM E8008PF