

EPDM/400



Material Data Sheet

Compound

E80008PF

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 and for biological response according to USP Class VI. Also complies to the requirements of NSF.



Color:

Black

Temperature Range:

Min. -40°C Max. +140°C

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

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