


EPDM/400				 - Part of Diploma PLC
Material Data Sheet	Compound	E8008PF	Rev.5	
	Designation	EPDM/400	June 2022	

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

According to: *EU 1935/2004, EU2023/2006 GMP and:*

FDA CFR21:177.2600, Extraction test e+f by **SGS, report CY/2006/A0034**

3-A 18-03 Sanitary Standards Class II*) **Stork report 0709-21115**

USP 28, NF23, <88> 70°C Class VI. (**Toxicon report 05-5566-G1**)

USP NF2021 issue3 <87> , ISO10993, (**Nelson report 22-B1214-N1**)

GB4806.11 Extraction test by independent laboratory **PDTC report FCM1823374**

Complies to the requirements of NSF61

*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

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.