EPDM/400

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°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