

EPDM/304

Material Data Sheet	Compound	E7001PF	Rev.1	 <i>-Part of Diploma PLC</i>
	Designation	EPDM	Jan. 2018	

Material type: Ethylene Propylene Terpolymer 70 Shore A. (Peroxide cured,
Acc to FDA CFR21:177.2600 (e+f) HCT report no. SZC15043081101-1

Color: Black

Temperature Range: Min. -40°C Max. +140°C

Storage recommendation: According to ISO 2230

Physical Properties	Unit	Test method	Requirement	Actual
Hardness, Shore A	pts	ASTM D2240	70 +/-5	72
Tensile strength	MPa	ASTM D412C	>10	15,9
Ultimate Elongation	%	ASTM D412 C	>200	280

Compression set, Method B				
22h at 125°C	%	ASTM D395B	25	22

Low temperature resistance				
Non brittle after 3 min. at -55°C	°c	ASTM D2137	Pass	Pass

Water resistance 70h at 100°C				
Change in Volume	%	ASTM D471	+/-5	2

Heat Resistance, air 70h at 100°C				
Change in Hardness	pts	ASTM D573	max+10	2
Change in Tensile strength	%	ASTM D573	max-20	-8
Change in Ultimate Elongation	%	ASTM D573	max-20	-10

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.