

Evoprene™ G 622

Thermoplastic Elastomer

Mexichem Specialty Compounds Inc.

Message:

Evoprene™G 622 is a thermoplastic elastomer (TPE) product. It is available in North America or Europe.

Features include:

flame retardant/rated flame

Flame Retardant

General Information			
Additive	Flame retardancy		
Features	Flame retardancy		
RoHS Compliance	Contact manufacturer		
Appearance	Opacity		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shaw A, 10 seconds, 6.50mm)	72		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain, 2.00 mm)	3.10	MPa	ISO 37
Tensile Stress (Yield, 2.00 mm)	9.40	MPa	ISO 37
Tensile Elongation (Break, 2.00 mm)	530	%	ISO 37
Tear Strength ¹ (2.00 mm)	40	kN/m	ISO 34-1
Compression Set			ISO 815
22°C, 72 hr	21	%	ISO 815
70°C, 22 hr	34	%	ISO 815
100°C, 22 hr	46	%	ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (125°C, 336 hr)	5.0	%	ISO 188
Change in Tensile Strain at Break in Air (125°C, 336 hr)	-4.0	%	ISO 188
Change in Shore Hardness in Air (Shaw A, 125°C, 336 hr)	3.0		ISO 188
Flammability	Nominal Value		Test Method
Flame Rating (6.0 mm)	V-0		UL 94
Additional Information			

The value listed as Density, ISO 1183, was tested in accordance with ISO 2782 test methods. Abrasion, DIN 53516: 181 mm³M-S, Alpha Gary Test Method: 19 kg/cm²M-S (Macklow Smith) flow measures force to extrude tape through die 10mm X 1mm. The higher the value the stiffer the flow (opposite to Melt Flow - MFI) Service Temperature: -30 to +140°C Ozone Resistance, 100 pphm, 200hrs, 20% strain, 35°C: No cracks OK for food contact: No Thermoplastic Compatibility: PP

NOTE

1. Method B, right-angle specimen
(without cut)

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