

Evoprene™ 087

Thermoplastic Elastomer

Mexichem Specialty Compounds Inc.

Message:

Evoprene™087 is a thermoplastic elastomer (TPE) product. It can be processed by extrusion or injection molding and is available in North America or Europe. Evoprene™The application areas of 087 include wire and cable, engineering/industrial accessories, sealing applications, automotive industry and handles.

General Information	
Features	General
Uses	Handle Electronic insulation Washer Seals Application in Automobile Field
RoHS Compliance	Contact manufacturer
Forms	Particle
Processing Method	Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	61		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	5.80	MPa	ISO 527-2
Tensile Strain (Break)	620	%	ISO 527-2
Films	Nominal Value	Unit	Test Method
Trouser Tear Resistance	30.0	N/mm	ISO 6383-1
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	2.30	MPa	ISO 37
Compression Set			ISO 815
23°C, 72 hr	21	%	ISO 815
70°C, 22 hr	73	%	ISO 815
100°C, 22 hr	89	%	ISO 815

Additional Information	
Abrasion Resistance, DIN 53516: 256 mm ³ lossOzone Resistance, ISO 1431, 100 pphm/200hrs/20% strain: No CracksUV Resistance, 2250 hrs Xenon: GoodHardness Change, ISO 188, Heat Aged 14 Days @ 70°F: -1Retained T/S, ISO 188, Heat Aged 14 Days @ 70°F: 104%Retained E/B, ISO 188, Heat Aged 14 Days @ 70°F: 104%Service Temperature: -55 to 140°FThe value listed as Density, ISO 1183, was tested in accordance with ISO 2781.The value listed as Stress @ Break, ISO 527-1, was tested in accordance with ISO 37.The value listed as Strain @ Break, ISO 527-1, was tested in accordance with ISO 37.	

Injection	Nominal Value	Unit
Processing (Melt) Temp	160 - 179	°C
Mold Temperature	16 - 29	°C
Extrusion	Nominal Value	Unit
Melt Temperature	129 - 149	°C

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