

# Evoprene™ GC 082

Thermoplastic Elastomer

Mexichem Specialty Compounds Inc.

## Message:

Static Internal white. Window gasket.

General Information			
Uses	Washer		
RoHS Compliance	Contact manufacturer		
Appearance	White		
	Opacity		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm <sup>3</sup>	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shaw A, 10 seconds, 6.50mm)	56		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain, 2.00 mm)	2.30	MPa	ISO 37
Tensile Stress (Yield, 2.00 mm)	3.80	MPa	ISO 37
Tensile Elongation (Break, 2.00 mm)	490	%	ISO 37
Tear Strength <sup>1</sup> (2.00 mm)	22	kN/m	ISO 34-1
Compression Set			ISO 815
22°C, 72 hr	23	%	ISO 815
70°C, 22 hr	76	%	ISO 815
100°C, 22 hr	99	%	ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (70°C, 336 hr)	8.0	%	ISO 188
Change in Tensile Strain at Break in Air (70°C, 336 hr)	3.0	%	ISO 188
Change in Shore Hardness in Air (Shao A, 70°C, 336 hr)	-1.0		ISO 188
Additional Information			
The value listed as Density, ISO 1183, was tested in accordance with ISO 2782 test methods.Abrasion, DIN 53516: 285 mm <sup>3</sup> M-S, Alpha Gary Test Method: 21 kg/cm <sup>2</sup> M-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: -50 to +60°C Ozone Resistance, 100 pphm, 200hrs, 20% strain, 35°C: No cracksOK for food contact: NoThermoplastic Compatability: PP			
NOTE			

1.

Method B, right-angle specimen  
(without cut)

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