

# Evoprene™ G 616

Thermoplastic Elastomer

Mexichem Specialty Compounds Inc.

## Message:

Evoprene™G 616 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	1.24	g/cm <sup>3</sup>	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shaw A, 10 seconds, 6.50mm)	65		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain, 2.00 mm)	2.60	MPa	ISO 37
Tensile Stress (Yield, 2.00 mm)	6.50	MPa	ISO 37
Tensile Elongation (Break, 2.00 mm)	560	%	ISO 37
Tear Strength <sup>1</sup> (2.00 mm)	35	kN/m	ISO 34-1
Compression Set			ISO 815
22°C, 72 hr	25	%	ISO 815
70°C, 22 hr	59	%	ISO 815
100°C, 22 hr	74	%	ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (125°C, 336 hr)	9.0	%	ISO 188
Change in Tensile Strain at Break in Air (125°C, 336 hr)	6.0	%	ISO 188
Change in Shore Hardness in Air (Shaw A, 125°C, 336 hr)	-1.0		ISO 188
Flammability	Nominal Value		Test Method
Flame Rating (1.5 mm, BK)	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: 335 mm<sup>3</sup>M-S, Alpha Gary Test Method: 14 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: -30 to +120°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)

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

### Recommended distributors for this material

## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

