

Dow Engage® 8440 Polyolefin Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Elastomer, Melt-Processible Rubber

Material Notes:

Description: Engage® 8440 polyolefin elastomer is an ethyleneoctene copolymer that performs well in a wide range of thermoplastic elastomer applications. It is an excellent thermoplastic elastomer for blending and compounding. The product form is free-flowing pellets. Information provided by manufacturer. This former DuPont Dow Elastomers product line is now produced by Dow Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Engage-8440-Polyolefin-Elastomer.php

Physical Properties	Metric	English	Comments
Density	0.897 g/cc	0.0324 lb/in ³	ASTM D792
Melt Index of Compound	1.6 g/10 min @Load 2.16 kg, Temperature 190 °C	1.6 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	92	92	ASTM D2240
Hardness, Shore D	41	41	ASTM D2240
Tensile Strength, Ultimate	24.5 MPa	3550 psi	508 mm/min; ASTM D638
Tensile Strength, Yield	5.90 MPa	856 psi	508 mm/min; ASTM D638
Elongation at Break	760 %	760 %	508 mm/min; ASTM D638
2% Secant Modulus	0.0592 GPa	8.59 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	94.0 °C	201 °F	DSC, 10°C/min; DuPont Test
Vicat Softening Point	76.0 °C	169 °F	ASTM D1525

Descriptive Properties	Value	Comments
Comonomer Content	23 wt%	Dow Method (¹³C NMR/FTIR)
Melt Flow Ratio, I10/I12	10.2	ASTM D1238

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.comEmail : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China