

Dow Engage® ENR 7467.00 Ethylene-Butene Copolymer

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

Material Notes:

Description: ENR 7467.00 is a high performance ethylene-butene copolymer, offering superior impact properties for more demanding TPO applications. The polymer has very low crystallinity and is available as surface modified pellets for ease in handling and mixing. 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-ENR-746700-Ethylene-Butene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.862 g/cc	0.0311 lb/in ³	ASTM D792
Viscosity	2.06e+6 cP	2.06e+6 cP	100 rad/sec; ARES Rheometer
	@Shear Rate 100 1/s, Temperature 190 °C	@Shear Rate 100 1/s, Temperature 374 °F	
	4.20e+6 cP	4.20e+6 cP	10 rad/sec; ARES Rheometer
	@Shear Rate 10.0 1/s, Temperature 190 °C	@Shear Rate 10.0 1/s, Temperature 374 °F	
	5.59e+6 cP	5.59e+6 cP	1.58 rad/sec; ARES Rheometer
	@Shear Rate 1.58 1/s, Temperature 190 °C	@Shear Rate 1.58 1/s, Temperature 374 °F	
Melt Index of Compound	6.58e+6 cP	6.58e+6 cP	0.1 rad/sec; ARES Rheometer
	@Shear Rate 0.100 1/s, Temperature 190 °C	@Shear Rate 0.100 1/s, Temperature 374 °F	
Crystallinity	1.2 g/10 min	1.2 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	5.4 %	5.4 %	25°C; DuPont Test
	12.6 %	12.6 %	Total; DuPont Test
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	56	56	10 sec; ASTM D2240
Tensile Strength, Ultimate	2.60 MPa	377 psi	508 mm/min; ASTM D638
Elongation at Break	760 %	760 %	508 mm/min; ASTM D638
1% Secant Modulus	7.9000 MPa	1145.8 psi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	36.0 °C	96.8 °F	DSC, 10°C/min (peak); DuPont Test
Crystallization Temperature	23.0 °C	73.4 °F	DSC, 10°C/min (peak); DuPont Test
Glass Transition Temp, Tg	-56.0 °C	-68.8 °F	DSC, 10°C/min (inf); DuPont Test

Descriptive Properties	Value	Comments
Molecular Weight Distribution	Narrow	GPC

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China