



ENGAGE™ 7367

Polyolefin Elastomer

Overview

ENGAGE™ 7367 Polyolefin Elastomer is an ethylene-butene copolymer that has excellent flow characteristics and performs well in a wide range of general purpose thermoplastic elastomer applications. This product is delivered with a nominal talc partitioning agent to assist in material handling.

Main Characteristics

- Pellet form
- Excellent flow characteristics
- Peroxide, silane, and radiation curable
- Improved impact in polypropylene and polyethylene
- High filler loading

Applications

- General purpose thermoplastic elastomers
- Impact modification
- Wire and cable

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.874 g/cm ³	0.874 g/cm ³	ASTM D792
Melt Index (190°C/2.16 kg)	0.80 g/10 min	0.80 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus - 100% Secant	377 psi	2.60 MPa	ASTM D638
Tensile Strength ¹ (Break, Compression Molded)	754 psi	5.20 MPa	ASTM D638
Tensile Elongation ¹			ASTM D638
Break, Compression Molded	> 600 %	> 600 %	
Flexural Modulus			ASTM D790
1% Secant ¹	2050 psi	14.1 MPa	
2% Secant	2060 psi	14.2 MPa	
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tear Strength ²	251 lbf/in	44.0 kN/m	ASTM D624
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A	65	65	
Shore D	23	23	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Glass Transition Temperature	> 124 °F	> 51.0 °C	Dow Method
Vicat Softening Temperature	108 °F	42.0 °C	ASTM D1525
Melting Temperature (DSC) ³	124 °F	51.0 °C	Dow Method
Peak Crystallization Temperature (DSC)	55.4 °F	13.0 °C	Dow Method

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

¹ 20 in/min (510 mm/min)

² Die C

³ 10°C/min

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