



ENGAGE™ 7467 Polyolefin Elastomer

Overview ENGAGE™ 7467 Ethylene Butene Copolymer is a high performance copolymer that offers superior impact properties for more demanding TPO applications

Main Characteristics:

- Pellet form
- Superior impact performance
- Very low density
- Talc dusted (Untreated, 1 µm)

Applications:

- Polymer modification

Complies with:

- U.S. FDA FCN 368
- Europe EU-Directive 2002/72/EC (See NOTES)
- Consult Regulations for details

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.862 g/cm ³	0.862 g/cm ³	ASTM D792
Melt Index (190°C/2.16 kg)	1.2 g/10 min	1.2 g/10 min	ASTM D1238
Mooney Viscosity (ML 1+4, 250°F (121°C))	19 MU	19 MU	ASTM D1646
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus - 100% Secant (Compression Molded)	203 psi	1.40 MPa	ASTM D638 ¹
Tensile Strength (Break, Compression Molded)	290 psi	2.00 MPa	ASTM D638 ¹
Tensile Elongation			ASTM D638 ¹
Break, Compression Molded	600 %	600 %	
Flexural Modulus			ASTM D790
1% Secant: Compression Molded	595 psi	4.10 MPa	
2% Secant: Compression Molded	580 psi	4.00 MPa	
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tear Strength	123 lbf/in	21.6 kN/m	ASTM D624 ²
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A, 1 sec, Compression Molded	52	52	
Shore D, 1 sec, Compression Molded	12	12	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Glass Transition Temperature (DSC)	-72.4 °F	-58.0 °C	Dow Method
Melting Temperature (DSC)	93.2 °F	34.0 °C	Dow Method ³
Peak Crystallization Temperature (DSC)	55.4 °F	13.0 °C	Dow Method

Additional Information

Properties measured on product without talc dusting.

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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