

**Technical Information****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
- EU, No 10/2011
- Consult Regulations for details

<b>Physical</b>	<b>Nominal Value (English)</b>	<b>Nominal Value (SI)</b>	<b>Test Method</b>
Density	0.862 g/cm <sup>3</sup>	0.862 g/cm <sup>3</sup>	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
<b>Mechanical</b>	<b>Nominal Value (English)</b>	<b>Nominal Value (SI)</b>	<b>Test Method</b>
Tensile Modulus - 100% Secant <sup>1</sup> (Compression Molded)	203 psi	1.40 MPa	ASTM D638
Tensile Strength <sup>1</sup> (Break, Compression Molded)	290 psi	2.00 MPa	ASTM D638
Tensile Elongation <sup>1</sup> Break, Compression Molded	600 %	600 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : Compression Molded	595 psi	4.10 MPa	
2% Secant : Compression Molded	580 psi	4.00 MPa	
<b>Elastomers</b>	<b>Nominal Value (English)</b>	<b>Nominal Value (SI)</b>	<b>Test Method</b>
Tear Strength <sup>2</sup>	123 lbf/in	21.6 kN/m	ASTM D624
<b>Hardness</b>	<b>Nominal Value (English)</b>	<b>Nominal Value (SI)</b>	<b>Test Method</b>
Durometer Hardness			ASTM D2240
Shore A, 1 sec, Compression Molded	52	52	
Shore D, 1 sec, Compression Molded	12	12	
<b>Thermal</b>	<b>Nominal Value (English)</b>	<b>Nominal Value (SI)</b>	<b>Test Method</b>
Glass Transition Temperature	-72.4 °F	-58.0 °C	Dow Method
Melting Temperature (DSC) <sup>3</sup>	93.2 °F	34.0 °C	Dow Method
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.

<sup>1</sup> 20 in/min (510 mm/min)

<sup>2</sup> Die C

<sup>3</sup> 10°C/min



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