



ENGAGE 7447

Polyolefin Elastomer

ENGAGE™ 7447 is a high ethylene butene melt flow, low density copolymer designed for use alone or in combination with our other elastomers to provide the tailored solutions in polymer modifications applications.

Main Characteristics	- Pellet form - Low Density	Talc dusted (untreated, 1µm)
Applications	- Polymer modification - Blends	Complies with Government / Industry Standards:
		- FDA FCN 368 - EU 2002-72-EC

Properties⁽¹⁾

Typical Physical	Test Method	Value
Melt Index, 190°C/2.16 kg, dg/min	ASTM D 1238	5
Density, g/cm ³	ASTM D 792	0.865
Mooney Viscosity, ML 1 + 4 @ 121°C	ASTM D 1646	7
Typical Molded⁽²⁾		
Ultimate Tensile Strength, MPa	ASTM D 638 ⁽³⁾	2.4
Ultimate Tensile Elongation, %	ASTM D 638 ⁽³⁾	550
100% Modulus	ASTM D 638 ⁽³⁾	1.7
Hardness	ASTM D 2240	
Shore A (1 Sec)		64
Shore D (1 Sec)		12
Flexural Modulus, MPa	ASTM D 790	
1% Secant		7.8
2% Secant		7.6
Tear Strength, Type C, kN/m	ASTM D 624	24.8
Typical Thermal		
DSC Melting Point, 10°C/min rate, °C	Dow Method	35
Glass Transition Temperature, °C	Dow Method	-53
Tc Peak, °C	Dow Method	29

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

(2) Compression molded

(3) 508 mm /min

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Published May, 2008
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