

# ENGAGE™ 7367

Polyolefin Elastomer  
The Dow Chemical Company

Message:

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

General Information			
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.874	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	65		
Shore D	23		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant	2.60	MPa	ASTM D638
Tensile Strength <sup>1</sup> (Break, Compression Molded)	5.20	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break, Compression Molded)	> 600	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant <sup>3</sup>	14.1	MPa	
2% Secant	14.2	MPa	
Elastomers	Nominal Value	Unit	Test Method
Tear Strength <sup>4</sup>	44.0	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	> 51.0	°C	Internal Method
Vicat Softening Temperature	42.0	°C	ASTM D1525
Melting Temperature (DSC) <sup>5</sup>	51.0	°C	Internal Method
Peak Crystallization Temperature (DSC)	13.0	°C	Internal Method
NOTE			

1.	510 mm/min
2.	510 mm/min
3.	510 mm/min
4.	Die C
5.	10°C/min

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#### Recommended distributors for this material

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