



# ENGAGE™ 7256

## Polyolefin Elastomer

**Overview** ENGAGE\* 7256 Polyolefin Elastomer is an ethylene butene copolymer, offers excellent processing and performance in extrusion applications.

Main Characteristics:

- Pellet form
- Excellent processability

Applications:

- Extrusion applications

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.885 g/cm <sup>3</sup>	0.885 g/cm <sup>3</sup>	ASTM D792
Melt Index (190°C/2.16 kg)	2.5 g/10 min	2.5 g/10 min	ASTM D1238
Mooney Viscosity (ML 1+4, 250°F (121°C))	10 MU	10 MU	ASTM D1646
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus - 100% Secant <sup>1</sup>	537 psi	3.70 MPa	ASTM D638
Tensile Strength <sup>2</sup> (Ultimate)	1350 psi	9.30 MPa	ASTM D638
Tensile Elongation <sup>1</sup> (Break)	> 600 %	> 600 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : Compression Molded	4820 psi	33.2 MPa	
2% Secant : Compression Molded	4870 psi	33.6 MPa	
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tear Strength <sup>3</sup>	307 lbf/in	53.7 kN/m	ASTM D624
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore A, Compression Molded	84	84	
Shore D, Compression Molded	30	30	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Glass Transition Temperature	-43.6 °F	-42.0 °C	Dow Method
Vicat Softening Temperature	169 °F	76.0 °C	ASTM D1525
Melting Temperature (DSC) <sup>4</sup>	167 °F	75.0 °C	Dow Method
Peak Crystallization Temperature	140 °F	60 °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.

<sup>1</sup> 508 mm/min

<sup>2</sup> Compression Molded.  
508 mm/min

<sup>3</sup> Die C

<sup>4</sup> 10°C/min

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