



ENGAGE 8200
Polyolefin Elastomer

ENGAGE™ 8200 Polyolefin Elastomer is an ethylene-octene copolymer that has excellent flow characteristics and performs well in a wide range of general purpose thermoplastic elastomer applications.

ENGAGE 8200 provides superb impact properties in blends with polypropylene (PP) and polyethylene (PE), especially in applications requiring slightly higher melt flow. ENGAGE 8200 also provides high filler loading capability, excellent electrical properties, and (when cross-linked) exceptional heat aging, compression set, and weather resistance properties.

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| Main Characteristics | <ul style="list-style-type: none"> • Pellet form • Excellent flow characteristics • High filler loading • Excellent electrical properties | <ul style="list-style-type: none"> • Improved impact in polypropylene and polyethylene • Exceptional heat aging, compression set, and weather resistance when cured |
| Applications | <ul style="list-style-type: none"> • General purpose thermoplastic elastomers • Impact modification | <ul style="list-style-type: none"> • Wire and cable |

Properties⁽¹⁾

Typical Physical	Test Method	Value
Melt Index, 190°C/2.16 kg, dg/min	ASTM D 1238	5.0
Density, g/cm ³	ASTM D 792	0.870
Mooney Viscosity, ML 1 + 4 @ 121°C	ASTM D 1646	8
Typical Molded⁽²⁾		
Ultimate Tensile Strength, MPa	ASTM D 638 ⁽³⁾	5.7
Ultimate Tensile Elongation, %	ASTM D 638 ⁽³⁾	1140
100% Modulus, MPa	ASTM D 638 ⁽³⁾	2.3
Hardness	ASTM D 2240	
Shore A (1 Sec)		66
Shore D (1 Sec)		17
Flexural Modulus, MPa	ASTM D 790	
1% Secant		10.9
2% Secant		10.8
Tear Strength, Type C, kN/m	ASTM D 624	37.1
Typical Thermal		
Vicat Softening Point, °C	ASTM D 1525	37
DSC Melting Point, 10°C/min rate, °C	Dow Method	59
Glass Transition Temperature, °C	Dow Method	-53
Tc Peak, °C	Dow Method	44

(1) These are typical properties only and are not to be regarded as sales specifications.
 (2) Compression molded
 (3) 508 mm/min

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