

## Dow Engage® 8200 Polyolefin Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Elastomer, Melt-Processible Rubber

### Material Notes:

Description: Engage® 8200 and Engage® 8207 polyolefin elastomers are ethylene-octene copolymers that have excellent flow characteristics and performs well in a wide range of general purpose thermoplastic elastomer applications. They provide good impact properties in blends with polypropylene (PP) and polyethylene (PE), especially in applications requiring slightly higher melt flow. Engage® 8200 and Engage® 8207 also provide high filler loading capability. They have excellent electrical properties, and when cross-linked give exceptional heat aging, compression set, and weather resistance properties. Engage® 8207 is Engage® 8200 with a nominal loose talc coating. The talc is untreated, with a 1 micron particle size. The product form is free-flowing pellets. Information provided by manufacturer. This former DuPont Dow Elastomers product line is now produced by Dow Chemical.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-Engage-8200-Polyolefin-Elastomer.php](http://www.lookpolymers.com/polymer_Dow-Engage-8200-Polyolefin-Elastomer.php)

Physical Properties	Metric	English	Comments
Density	0.870 g/cc	0.0314 lb/in <sup>3</sup>	ASTM D792
Mooney Viscosity	8.0 @Temperature 121 °C	8.0 @Temperature 250 °F	ML 1 + 4; ASTM D1646
Melt Index of Compound	5.0 g/10 min @Load 2.16 kg, Temperature 190 °C	5.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	75	75	ASTM D2240
Hardness, Shore D	21	21	ASTM D2240
Tensile Strength, Ultimate	6.90 MPa	1000 psi	508 mm/min; ASTM D638
Tensile Strength, Yield	2.10 MPa	305 psi	508 mm/min; ASTM D638
Elongation at Break	1030 %	1030 %	508 mm/min; ASTM D638
2% Secant Modulus	0.0121 GPa	1.75 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	60.0 °C	140 °F	DSC, 10°C/min; DuPont Test
Brittleness Temperature	<= -76.0 °C	<= -105 °F	ASTM D746

Descriptive Properties	Value	Comments
------------------------	-------	----------

Comonomer Content  
Descriptive Properties

38 wt%  
Value

Dow Method (~sup>13</sup>-C NMR/FTIR)  
Comments

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China