

## Dow Engage® 8130 Polyolefin Elastomer

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

**Material Notes:**

Description: Engage® 8130 polyolefin elastomer is an ethyleneoctene copolymer with low density and a high melt index. This combination provides excellent toughness, flexibility, and ease in processing and makes Engage® 8130 highly effective as an impact modifier in polyolefins or as a component in injection molding applications. 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-8130-Polyolefin-Elastomer.php](http://www.lookpolymers.com/polymer_Dow-Engage-8130-Polyolefin-Elastomer.php)

Physical Properties	Metric	English	Comments
Density	0.864 g/cc	0.0312 lb/in <sup>3</sup>	ASTM D792
Mooney Viscosity	5.8 @Temperature 100 °C	5.8 @Temperature 212 °F	ML 1 + 4; ASTM D1646
Melt Index of Compound	13 g/10 min @Load 2.16 kg, Temperature 190 °C	13 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	ASTM D2240
Tensile Strength, Ultimate	2.00 MPa	290 psi	508 mm/min; ASTM D638
Tensile Strength, Yield	1.90 MPa	276 psi	508 mm/min; ASTM D638
Elongation at Break	760 %	760 %	508 mm/min; ASTM D638
2% Secant Modulus	0.00690 GPa	1.00 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -76.0 °C	<= -105 °F	ASTM D746

Descriptive Properties	Value	Comments
Comonomer Content	42 wt%	Dow Method (<sup>13</sup>C NMR/FTIR)

## Contact Songhan Plastic Technology Co.,Ltd.

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