

LG Chemical LC175 Polyolefin Elastomer for Polymer Modification

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

Material Notes:

Features: Improved impact strength in polypropylene; Excellent filler acceptance; Available as pellet form; Outstanding toughness with flexible performance; and Reduction of product weight
Application: General purpose thermoplastic elastomers, Polymer modification
CSA No. 25087-34-7
Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-LC175-Polyolefin-Elastomer-for-Polymer-Modification.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.870 g/cc	0.870 g/cc	ASTM D1505
Mooney Viscosity	18 @Temperature 121 °C	18 @Temperature 250 °F	1+4(121); ASTM D1646
Melt Flow	1.1 g/10 min @Load 2.16 kg, Temperature 190 °C	1.1 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	63	63	ASTM D2240
Tensile Strength at Break	4.40 MPa	638 psi	ASTM D638
Elongation at Break	900 %	900 %	ASTM D638
1% Secant Modulus	12.0 MPa	1740 psi	ASTM D790
Tear Strength	34.0 kN/m	194 pli	Type C; ASTM D624

Thermal Properties	Metric	English	Comments
Melting Point	42.0 °C	108 °F	
Brittleness Temperature	<= -60.0 °C	<= -76.0 °F	ASTM D746
Glass Transition Temp, Tg	-55.0 °C	-67.0 °F	

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