

LG Chemical LC170 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. 26221-73-8

Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-LC170-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	23 @Temperature 121 Â°C	23 @Temperature 250 Â°F	1+4(121); ASTM D1646
Melt Flow	1.1 g/10 min @Load 2.16 kg, Temperature 190 Â°C	1.1 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	71	71	ASTM D2240
Tensile Strength at Break	9.51 MPa	1380 psi	ASTM D638
Elongation at Break	9.5 %	9.5 %	ASTM D638
1% Secant Modulus	14.0 MPa	2030 psi	ASTM D790
Tear Strength	40.0 kN/m	229 pli	Type C; ASTM D624

Thermal Properties	Metric	English	Comments
Melting Point	58.0 Â°C	136 Â°F	
Glass Transition Temp, Tg	-53.0 Â°C	-63.4 Â°F	

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