

LG Chemical LC100 Polyolefin Elastomer

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

Material Notes:

Features: Excellent toughness with flexible performance, High clarity and low temperature sealability. High performance in footwear application
Application: Polymer modification, Shoe sole, Film coextrusion
CSA No. 26221-73-8
Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-LC100-Polyolefin-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.903 g/cc	0.903 g/cc	ASTM D1505
Mooney Viscosity	23 @Temperature 121 Â°C	23 @Temperature 250 Â°F	1+4(121); ASTM D1646
Melt Flow	1.2 g/10 min @Load 2.16 kg, Temperature 190 Â°C	1.2 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	88	88	ASTM D2240
Tensile Strength at Break	24.5 MPa	3550 psi	ASTM D638
Elongation at Break	660 %	660 %	ASTM D638
1% Secant Modulus	83.0 MPa	12000 psi	ASTM D790
Tear Strength	87.0 kN/m	497 pli	Type C; ASTM D624

Thermal Properties	Metric	English	Comments
Melting Point	96.0 Â°C	205 Â°F	
Brittleness Temperature	<= -60.0 Â°C	<= -76.0 Â°F	ASTM D746
Glass Transition Temp, Tg	-31.0 Â°C	-23.8 Â°F	

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