

LG Chemical LC180 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-LC180-Polyolefin-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.885 g/cc	0.885 g/cc	ASTM D1505
Mooney Viscosity	20 @Temperature 121 Â°C	20 @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	82	82	ASTM D2240
Tensile Strength at Break	17.3 MPa	2510 psi	ASTM D638
Elongation at Break	670 %	670 %	ASTM D638
1% Secant Modulus	29.7 MPa	4310 psi	ASTM D790
Tear Strength	58.0 kN/m	331 pli	Type C; ASTM D624

Thermal Properties	Metric	English	Comments
Melting Point	73.0 Â°C	163 Â°F	
Glass Transition Temp, Tg	-45.0 Â°C	-49.0 Â°F	

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