

Huntsman Rexell® L2102 Injection Molding LLDPE (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Injection Molded

Material Notes:

Linear low density copolymer, injection molding, FDA compliant. Features: High flow, medium flex with good environmental stress crack (ESCR), and warpage resistance. Applications: Fitments, large lids, articles requiring extremely long flow paths, and low warpage. FDA

Notes: Conforms to FDA regulation 21 CFR 177.1520 (c)3.2.a Information provided by Huntsman Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Huntsman-Rexell-L2102-Injection-Molding-LLDPE-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.926 g/cc	0.0335 lb/in ³	ASTM D1505
Viscosity	50 cP	50 cP	Apparent viscosity; ASTM D3835
	@Shear Rate 5000 1/s, Temperature 230 °C	@Shear Rate 5000 1/s, Temperature 446 °F	
	90 cP	90 cP	
	@Shear Rate 1000 1/s, Temperature 230 °C	@Shear Rate 1000 1/s, Temperature 446 °F	Apparent viscosity; ASTM D3835
	140 cP	140 cP	
	@Shear Rate 300 1/s, Temperature 230 °C	@Shear Rate 300 1/s, Temperature 446 °F	
Melt Flow	24 g/10 min	24 g/10 min	Melt Flow Ratio (I10/I2) is 7.4; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	55	55	ASTM D2240
Tensile Strength, Yield	10.0 MPa	1450 psi	ASTM D638
Elongation at Break	>= 300 %	>= 300 %	ASTM D638
Modulus of Elasticity	0.320 GPa	46.4 ksi	ASTM D638

Thermal Properties	Metric	English	Comments
Vicat Softening Point	96.0 °C	205 °F	ASTM D1525

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