

Huntsman Rexell® H2103 Injection Molding LLDPE (discontinued **)

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

Material Notes:

Linear-low medium density homopolymer, injection molding, FDA compliant. Features: Good ESCR, low taste and odor. Applications: Containers, closures, and ideal for blends and non-carbonated beverage caps. 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-H2103-Injection-Molding-LLDPE-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in ³	ASTM D1505
Viscosity	66 cP	66 cP	Apparent viscosity; ASTM D3835
	@Shear Rate 5000 1/s, Temperature 230 °C	@Shear Rate 5000 1/s, Temperature 446 °F	
	144 cP	144 cP	Apparent viscosity; ASTM D3835
	@Shear Rate 1000 1/s, Temperature 230 °C	@Shear Rate 1000 1/s, Temperature 446 °F	
	228 cP	228 cP	Apparent viscosity; ASTM D3835
	@Shear Rate 300 1/s, Temperature 230 °C	@Shear Rate 300 1/s, Temperature 446 °F	
Melt Flow	10.7 g/10 min	10.7 g/10 min	Melt Flow Ratio (I10/I2) is 7.7; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	ASTM D2240
Tensile Strength, Ultimate	11.0 MPa	1600 psi	ASTM D638
Tensile Strength, Yield	19.0 MPa	2760 psi	ASTM D638
Elongation at Break	200 %	200 %	ASTM D638
Modulus of Elasticity	0.938 GPa	136 ksi	ASTM D638

Thermal Properties	Metric	English	Comments
Vicat Softening Point	117 °C	243 °F	ASTM D1525

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