

Huntsman Rexell® H2105 Injection Molding LLDPE (discontinued **)

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

Material Notes:

Linear-low high density, injection molding, FDA compliant. Features: High impact strength with reasonable flow. Applications: Articles that must withstand long-term heavy loading such as bottle crates. 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-H2105-Injection-Molding-LLDPE-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.963 g/cc	0.0348 lb/in³	ASTM D1505
Viscosity	81 cP	81 cP	Apparent viscosity; ASTM D3835
	@Shear Rate 5000 1/s, Temperature 230 °C	@Shear Rate 5000 1/s, Temperature 446 °F	
	185 cP	185 cP	Apparent viscosity; ASTM D3835
	@Shear Rate 1000 1/s, Temperature 230 °C	@Shear Rate 1000 1/s, Temperature 446 °F	Apparent viscosity; ASTM D3835
	304 cP	304 cP	
	@Shear Rate 300 1/s, Temperature 230 °C	@Shear Rate 300 1/s, Temperature 446 °F	Apparent viscosity; ASTM D3835
Melt Flow	8.3 g/10 min	8.3 g/10 min	Melt Flow Ratio (I10/I2) is 7.2; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	70	70	ASTM D2240
Tensile Strength, Yield	27.0 MPa	3920 psi	ASTM D638
Elongation at Break	>= 300 %	>= 300 %	ASTM D638
Modulus of Elasticity	1.566 GPa	227.1 ksi	ASTM D638

Thermal Properties	Metric	English	Comments
Vicat Softening Point	130 °C	266 °F	ASTM D1525

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