

ExxonMobil LLDPE LLP 8360.29 Linear Low Density Polyethylene Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE

Material Notes:

Product Description: LL 8360 is a linear low density hexene copolymer designed to offer excellent processability along with outstanding dimensional control and low warpage. This resin is ideally suited for applications that require excellent processability and ESCR along with the optimum balance of stiffness and low temperature toughness. **Availability:** Latin America, North America and South America **Additive:** Stabilizer: YesLong Term UV-15 **Applications:** Agricultural Tank LinersConsumer ArticlesExternally supported intermediate bulk containersLarge Sized Industrial PartsInformation provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LLDPE-LLP-836029-Linear-Low-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.932 g/cc	0.0337 lb/in ³	ExxonMobil method
ESCR 100% Igepal®	>= 1000 hour	>= 1000 hour	F50; ASTM D1693B
ESCR 10% Igepal®	650 hour	650 hour	ASTM D1693B
Melt Flow	5.2 g/10 min @Load 2.16 kg, Temperature 190 °C	5.2 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	15.2 MPa	2200 psi	2.0 in/min; ASTM D638
Elongation at Yield	20 %	20 %	2.0 in/min; ASTM D638
Flexural Modulus, 1% Secant	600 MPa	87000 psi	ASTM D638
Impact Test	88.1 J @Thickness 3.17 mm, Temperature -40.0 °C	65.0 ft-lb @Thickness 0.125 in, Temperature -40.0 °F	ARM
	217 J @Thickness 6.35 mm, Temperature -40.0 °C	160 ft-lb @Thickness 0.250 in, Temperature -40.0 °F	ARM

Thermal Properties	Metric	English	Comments
Melting Point	<= 259 °C	<= 498 °F	Peak Melting Point; ExxonMobil method
Deflection Temperature at 0.46 MPa (66 psi)	55.0 °C	131 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	36.7 °C	98.0 °F	ASTM D648

Thermal Properties

Metric

English

Comments

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