

ExxonMobil LLDPE LL 6301XR Molding Linear Low Density Polyethylene Resin (European Grade)

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

Material Notes:

Product Description: LL 6301 series are medium flow LLDPE grades, with a relatively molecular weight, resulting in molded articles which are very tough and exhibit excellent environmental stress cracking resistance. When compared to LDPE grades of equivalent density, LL 6301 grades exhibits a higher heat deflection temperature and a significantly greater resistance to long term creep. Availability: Africa & Middle East, Asia Pacific and Europe Additive: CapsHousewaresTechnical PartsThreaded ClosuresInformation provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LLDPE-LL-6301XR-Molding-Linear-Low-Density-Polyethylene-Resin-European-Grade.php

Physical Properties	Metric	English	Comments
Density	0.936 g/cc	0.0338 lb/in ³	ExxonMobil method
ESCR 10% Igepal®	30 hour @Temperature 50.0 °C	30 hour @Temperature 122 °F	ASTM D1693B
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 190 °C	5.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	13.8 MPa	2000 psi	ASTM D638
Elongation at Break	100 %	100 %	ASTM D638
Elongation at Yield	20 %	20 %	ASTM D638
Flexural Modulus, 1% Secant	490 MPa	71000 psi	ASTM D790
Izod Impact, Notched (ISO)	39.9 kJ/m ²	19.0 ft-lb/in ²	ISO 180/1A

Thermal Properties	Metric	English	Comments
Melting Point	<= 257 °C	<= 495 °F	Peak Melting Point; ExxonMobil method

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