

ExxonMobil LLP8555.24 Rotational Molding Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Rotational Molding Grade

Material Notes:

Product Description: LL 8555 is a linear low density hexene copolymer designed to offer superior processability, excellent dimensional control, whiteness and low warpage. This resin is ideally suited for applications that require the optimum balance of processability, stiffness and low temperature toughness. **Availability:** Latin America, North America and South America **Additive:** Stabilizer: Yes **Medium** **Term UV-4 Applications:** Consumer Articles Fine Threaded Containers Playground Equipment Point of Display Cabinets Potable Water Tanks Toys **Information provided by ExxonMobil Chemical**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LLP855524-Rotational-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.936 g/cc	0.0338 lb/in ³	ASTM D4883
ESCR 100% Igepal®	300 hour	300 hour	ASTM D1693
ESCR 10% Igepal®	60 hour	60 hour	ASTM D1693
Melt Flow	6.80 g/10 min @Load 2.16 kg, Temperature 190 °C	6.80 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	17.2 MPa	2500 psi	2.0 in/min; ASTM D638
Elongation at Yield	20 %	20 %	2.0 in/min; ASTM D638
Flexural Modulus	0.689 GPa	100 ksi	1% secant; ASTM D790
Impact Test	81.3 J @Thickness 3.17 mm, Temperature -40.0 °C	60.0 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	126 °C	259 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	59.0 °C	138 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	38.0 °C	100 °F	ASTM D648

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