

## ExxonMobil LLDPE LL 8555.25 Linear Low Density Polyethylene Resin

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

### 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**

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-LLDPE-LL-855525-Linear-Low-Density-Polyethylene-Resin.php](http://www.lookpolymers.com/polymer_ExxonMobil-LLDPE-LL-855525-Linear-Low-Density-Polyethylene-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.936 g/cc	0.0338 lb/in <sup>3</sup>	ExxonMobil method
ESCR 100% Igepal®	>= 160 hour	>= 160 hour	F50; ASTM D1693B
ESCR 10% Igepal®	60 hour	60 hour	F50; ASTM D1693B
Melt Flow	6.8 g/10 min @Load 2.16 kg, Temperature 190 °C	6.8 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, 1% Secant	689 MPa	100000 psi	ASTM D638
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	<= 259 °C	<= 498 °F	Peak Melting Point; ExxonMobil method
Deflection Temperature at 0.46 MPa (66 psi)	58.9 °C	138 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	37.8 °C	100 °F	ASTM D648

Thermal Properties	Metric	English	Comments
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