

ExxonMobil LL 8555.67 Rotational Molding Resin (discontinued **)

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

Material Notes:

LL 8555 is a linear low density hexene copolymer designed to offer excellent processability, dimensional control, whiteness and low warpage. This resin is ideally suited for applications that require excellent surface appearance and the optimum balance of ESCR, stiffness, and toughness properties. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LL-855567-Rotational-Molding-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.936 g/cc	0.0338 lb/in ³	ASTM D4883
ESCR 100% Igepal®	275 hour	275 hour	ASTM D1693
ESCR 10% Igepal®	55 hour	55 hour	ASTM D1693
Melt Flow	6.8 g/10 min	6.8 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	17.2 MPa	2500 psi	ASTM D638
Elongation at Yield	17.5 %	17.5 %	ASTM D638
Flexural Modulus	0.703 GPa	102 ksi	1% secant; ASTM D790
Impact Test	81.3 J	60.0 ft-lb	ARM
	@Thickness 3.17 mm, Temperature -40.0 °C	@Thickness 0.125 in, Temperature -40.0 °F	
	217 J	160 ft-lb	ARM
	@Thickness 6.35 mm, Temperature -40.0 °C	@Thickness 0.250 in, Temperature -40.0 °F	

Thermal Properties	Metric	English	Comments
Melting Point	126 °C	259 °F	ASTM D3418
Crystallization Temperature	112.1 °C	233.8 °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

Descriptive Properties	Value	Comments
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Features Descriptive Properties	Standard processing antioxidants Value	Comments
Form	PELLET	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China