

Formosa Plastics Formolene® L63550U Rotational Molding LLDPE (discontinued **)

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

Material Notes:

Hexene Copolymer Applications: Toys, medium tanks, material handling equipment and flat surface rotational molding applications. Formolene L63550 is fully heat and UV stabilized. Meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact. Information provided by Formosa Plastics Corporation, USA.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-L63550U-Rotational-Molding-LLDPE-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.935 g/cc	0.0338 lb/in ³	ASTM D1505
Environmental Stress Crack Resistance	300 hour	300 hour	Condition A (10% Igepal), F _{>50} ; ASTM D1693
	>= 1000 hour	>= 1000 hour	Condition A (100% Igepal), F _{>50} ; ASTM D1693
Melt Flow	5.0 g/10 min	5.0 g/10 min	Condition E; ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	18.6 MPa	2700 psi	2" (50mm) per min.; ASTM D638
Elongation at Yield	11.8 %	11.8 %	2" (50mm) per min.; ASTM D638
Flexural Modulus	0.689 GPa	100 ksi	1.3mm per min; ASTM D790
Dynatup @ -30°C	61.0 J	45.0 ft-lb	ARM Std. Low Temp Impact; ARM Std.
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	50.0 °C	122 °F	ASTM D648

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