

Formosa Plastics Formolene® L63935U Rotational Molding LLDPE (discontinued **)

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

Material Notes:

Hexene Copolymer Applications: Tanks, toys and other non-tank rotational molding applications Formolene L63935U 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-L63935U-Rotational-Molding-LLDPE-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.939 g/cc	0.0339 lb/in ³	ASTM D1505
Environmental Stress Crack Resistance	400 hour	400 hour	(10% Igepal), F₅₀; ASTM D1693
	>= 1000 hour	>= 1000 hour	(100% Igepal), F₅₀; ASTM D1693
Melt Flow	3.5 g/10 min	3.5 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	22.8 MPa	3300 psi	2" (50mm) per min.; ASTM D638
Elongation at Yield	11.3 %	11.3 %	2" (50mm) per min.; ASTM D638
Flexural Modulus	0.758 GPa	110 ksi	1.3mm per min; ASTM D790
Dynatup @ -30°C	81.3 J	60.0 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)	54.0 °C	129 °F	ASTM D648

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