

Formosa Plastics Formolene® L63568 Rotational Molding LLDPE (discontinued **)

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

Material Notes:

Linear Low Density Polyethylene Hexene Copolymer for Rotational Molding Formolene® L63568 is a general-purpose rotational molding linear low density resin made using the BP Gas Phase Process™. The resin exhibits excellent ESCR and low temperature impact strength.

Formolene® L63568 is not UV stabilized Formolene® L63568 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. Applications: Toys, Medium Tanks, Playground Equipment, Drums and Agricultural and Chemical Storage Tanks Information provided by Formosa Plastics Corporation, USA

Order this product through the following link:

http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-L63568-Rotational-Molding-LLDPE-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.935 g/cc	0.0338 lb/in³	ASTM D1505
ESCR 100% Igepal®	>= 1000 hour	>= 1000 hour	Condition A, F₅₀; ASTM D1693
ESCR 10% Igepal®	200 hour	200 hour	Condition A, F₅₀; ASTM D1693
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	Condition E; ASTM D1238

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
Impact Test	61.0 J @Thickness 3.17 mm, Temperature -40.0 °C	45.0 ft-lb @Thickness 0.125 in, Temperature -40.0 °F	Low Temperature; ARM

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

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