

Formosa Plastics Formolene® L43840U Rotational Molding LLDPE (discontinued **)

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

Material Notes:

Butene Copolymer Applications: Toys and other non-tank rotational molding applications. Formolene L43840U is a Butene Copolymer of linear low density polyethylene for toys and other non-tank rotational molding applications. Contains a low level of UV stabilizer. 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-L43840U-Rotational-Molding-LLDPE-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.938 g/cc	0.0339 lb/in ³	ASTM D1505
Environmental Stress Crack Resistance	>= 1000 hour	>= 1000 hour	Condition A (100% Igepal), F _{>50</sub>; ASTM D1693}
Melt Flow	4.0 g/10 min	4.0 g/10 min	ASTM D1238

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

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	56.0 °C	133 °F	ASTM D648

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