

ICO Polymers ICORENE® 110-1080 LMDPE Rotational Molding Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , MDPE , Linear Medium Density Polyethylene (LMDPE), Rotational Molded

Material Notes:

Description: ICORENE 110-1080 polyethylene developed for use in rotational molding. This is a very fast processing material that quickly molds out to offer low surface porosity and good overall properties. This product is enhanced with ICOPower and OptiFlo. The base resin is FDA approved and is fully stabilized to UV8 level. Key Characteristics: fast processing, low pinholing, wide processing window.

Applications: This ICORENE® grade is particularly suitable for use in toy applications. Information provided by ICO Polymers. A Schulman acquired ICO, Inc. in 2010.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ICO-Polymers-ICORENE-110-1080-LMDPE-Rotational-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.935 g/cc	0.0338 lb/in ³	ASTM D1505
Melt Index of Compound	17 g/10 min	17 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	52	52	ASTM D2240
Tensile Strength, Yield	16.10 MPa	2335 psi	2"/min; ASTM D638
Elongation at Break	361 %	361 %	2"/min; ASTM D638
Flexural Modulus	0.6000 GPa	87.02 ksi	ASTM D790

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