

## ICO Polymers ICORENE<sup>®</sup>,ç 110-1329 LMDPE Rotational Molding Resin

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

**Material Notes:**

Description: ICORENE 110-1329 is a linear medium density 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. Key Characteristics: fast processing, low pinholing, wide processing window. Applications: This ICORENE<sup>®</sup> 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-110-1329-LMDPE-Rotational-Molding-Resin.php](http://www.lookpolymers.com/polymer_ICO-Polymers-ICORENE-110-1329-LMDPE-Rotational-Molding-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.935 g/cc	0.0338 lb/in <sup>3</sup>	ASTM D1505
Melt Index of Compound	7.0 g/10 min @Load 2.16 kg, Temperature 190 °C	7.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	63	63	ASTM D2240
Tensile Strength, Yield	17.00 MPa	2465 psi	50 mm/min; ASTM D638
Elongation at Break	730 %	730 %	50 mm/min; ASTM D638
Flexural Modulus	0.380 GPa	55.1 ksi	ASTM D790

Descriptive Properties	Value	Comments
UV Light Weatherometer Test	8000 hours	ASTM G26

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