

ICO Polymers ICORENE® 155-1339 LMDPE Rotational Molding Resin

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

Material Notes:

Description: ICORENE 155-1339 is a linear medium density polyethylene developed for use in rotational molding. It has a great combination of stiffness and toughness in a resin that is easy processing. Key Characteristics: good stiffness, good toughness, low warpage.

Applications: This ICORENE® grade is particularly suitable for use in boat 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-155-1339-LMDPE-Rotational-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.943 g/cc	0.0341 lb/in ³	ASTM D1505
Melt Index of Compound	3.0 g/10 min @Load 2.16 kg, Temperature 190 °C	3.0 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	21.0 MPa	3050 psi	50 mm/min; ASTM D638
Elongation at Break	1000 %	1000 %	50 mm/min; ASTM D638
Flexural Modulus	0.720 GPa	104 ksi	1.3 mm/min; ASTM D790
Impact	19 @Temperature -20.0 °C	19 @Temperature -4.00 °F	J/mm, instrumented impact, rotomolded test sample; ICO R&D1.14

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

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