

ICO Polymers ICORENE[®],ç 150-1334 LMDPE Rotational Molding Resin

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

Material Notes:

Description: ICORENE 150-1334 is a linear medium density polyethylene developed for use in rotational molding. It has very high stiffness, toughness, and scratch resistance combined with good processability. Key Characteristics: high stiffness, high toughness, good processing. Applications: This ICORENE[®] grade is particularly suitable for use in kayak 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-150-1334-LMDPE-Rotational-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.942 g/cc	0.0340 lb/in ³	ASTM D1505
Melt Index of Compound	2.0 g/10 min @Load 2.16 kg, Temperature 190 °C	2.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	50	50	ASTM D2240
Tensile Strength, Yield	22.0 MPa	3190 psi	50 mm/min; ASTM D638
Elongation at Break	400 %	400 %	50 mm/min; ASTM D638
Flexural Modulus	0.82682 GPa	119.92 ksi	1.33 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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