

ICO Polymers ICORENE[®],ç 150-1049 HDPE Rotational Molding Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Rotational Molding Grade

Material Notes:

Description: ICORENE[®],ç 150-1049 polyethylene developed for use in rotational molding. It has very high stiffness, toughness, and scratch resistance combined with good processability. This product is enhanced with ICOPower. The base resin is FDA approved and is fully stabilized to UV8 level. 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-150-1049-HDPE-Rotational-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in ³	ASTM D1505
Melt Index of Compound	3.2 g/10 min @Load 2.16 kg, Temperature 190 °C	3.2 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	67	67	ASTM D2240
Tensile Strength, Yield	26.60 MPa	3858 psi	2"/min; ASTM D638
Elongation at Break	412 %	412 %	2"/min; ASTM D638
Flexural Modulus	1.1509 GPa	166.93 ksi	ASTM D790
Impact	26 @Temperature -40.0 °C	26 @Temperature -40.0 °F	J/mm, instrumented impact, rotomolded test sample; ICO R&D1.14

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