

ICO Polymers ICORENE[®],ç 150-1499 HDPE Rotational Molding Resin

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

Material Notes:

Description: ICORENE 150-1499 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, RotoGO, ColorBrite and Veriform. 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-150-1499-HDPE-Rotational-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.945 g/cc	0.0341 lb/in ³	ASTM D1505
Melt Index of Compound	4.0 g/10 min @Load 2.16 kg, Temperature 190 °C	4.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	ASTM D2240
Tensile Strength, Yield	23.309 MPa	3380.7 psi	2"/min; ASTM D638
Elongation at Break	697 %	697 %	2"/min; ASTM D638
Flexural Modulus	0.86798 GPa	125.89 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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