

ICO Polymers ICORENE® 150-1497 HDPE Rotational Molding Resin

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

Material Notes:

Description: ICORENE 150-1497 polyethylene developed for use in rotational molding. It has very high stiffness, toughness, and scratch resistance combined with good processability. 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-150-1497-HDPE-Rotational-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.948 g/cc	0.0342 lb/in ³	ASTM D1505
Melt Index of Compound	3.8 g/10 min @Load 2.16 kg, Temperature 190 °C	3.8 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ASTM D2240
Tensile Strength, Yield	25.30 MPa	3669 psi	2"/min; ASTM D638
Elongation at Break	611 %	611 %	2"/min; ASTM D638
Flexural Modulus	0.96499 GPa	139.96 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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