

ICO Polymers ICORENE[®] 115-1323 LMDPE Rotational Molding Resin

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

Material Notes:

Description: ICORENE 115-1323 is a linear medium density polyethylene developed for use in rotational molding. It is an easy processing material with good surface gloss, scratch resistance and generally balanced physical properties. Key Characteristics: easy processing, good rigidity, good scratch resistance. Applications: This ICORENE[®] grade is particularly suitable for use in playground 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-115-1323-LMDPE-Rotational-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.935 g/cc	0.0338 lb/in ³	ASTM D1505
Melt Index of Compound	5.0 g/10 min @Load 2.16 kg, Temperature 190 °C	5.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	53	53	ASTM D2240
Tensile Strength, Yield	17.0 MPa	2470 psi	50 mm/min; ASTM D638
Elongation at Break	520 %	520 %	50 mm/min; ASTM D638
Flexural Modulus	0.420 GPa	60.9 ksi	1.3 mm/min; ASTM D790
Impact	17 @Temperature -20.0 °C	17 @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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