

ICO Polymers ICORENE[®],ç 195-1325 LMDPE Rotational Molding Resin

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

Material Notes:

Description: ICORENE 195-1325 is a linear medium density polyethylene copolymer developed for rotational molding. It has a good balance of properties such as toughness, easy flow and stiffness. Key Characteristics: good physical properties, easy molding, controlled release.

Applications: This ICORENE[®] grade is particularly suitable for use in general purpose 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-195-1325-LMDPE-Rotational-Molding-Resin.php

| Physical Properties | Metric | English | Comments |
|------------------------------|--|--|-----------------|
| Density | 0.936 g/cc | 0.0338 lb/in ³ | ASTM D1505 |
| ESCR 10% Igepal [®] | 10 hour | 10 hour | F50; ASTM D1693 |
| Melt Index of Compound | 4.2 g/10 min @Load 2.16 kg, Temperature 190 °C | 4.2 g/10 min @Load 4.76 lb, Temperature 374 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|--------------------------------|--------------------------------|---|
| Hardness, Shore D | 55 | 55 | ASTM D2240 |
| Tensile Strength, Yield | 19.0 MPa | 2760 psi | 50 mm/min; ASTM D638 |
| Elongation at Break | 900 % | 900 % | 50 mm/min; ASTM D638 |
| Flexural Modulus | 0.690 GPa | 100 ksi | 1.3 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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