

ICO Polymers ICORENE[®],ç 110-1016 LMDPE Rotational Molding Resin

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

Material Notes:

Description: ICORENE 110-1016 polyethylene developed for use in rotational molding. This is a very fast processing material that quickly molds out to offer low surface porosity and good overall properties. This product is enhanced with ICOPower and OptiFlo. The base resin is FDA approved and is fully stabilized to UV8 level. Key Characteristics: fast processing, low pinholing, wide processing window.

Applications: This ICORENE[®] grade is particularly suitable for use in toy 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-110-1016-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 | 9.0 g/10 min @Load 2.16 kg, Temperature 190 °C | 9.0 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 | 16.40 MPa | 2379 psi | 2"/min; ASTM D638 |
| Elongation at Break | 515 % | 515 % | 2"/min; ASTM D638 |
| Flexural Modulus | 0.6000 GPa | 87.02 ksi | ASTM D790 |

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