

## ICO Polymers ICORENE® 115-1037 LMDPE Rotational Molding Resin

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

### Material Notes:

Description: ICORENE 115-1037 polyethylene developed for use in rotational molding. It is an easy processing material with good surface gloss, scratch resistance and generally balanced physical properties. This product is enhanced by ICOPower and OptiFlo. The base resin is FDA approved and is fully stabilized to UV8 level. 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-115-1037-LMDPE-Rotational-Molding-Resin.php](http://www.lookpolymers.com/polymer_ICO-Polymers-ICORENE-115-1037-LMDPE-Rotational-Molding-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in <sup>3</sup>	ASTM D1505
Melt Index of Compound	5.1 g/10 min @Load 2.16 kg, Temperature 190 °C	5.1 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	61	61	ASTM D2240
Tensile Strength, Yield	20.30 MPa	2944 psi	2"/min; ASTM D638
Elongation at Break	360 %	360 %	2"/min; ASTM D638
Flexural Modulus	0.74994 GPa	108.77 ksi	ASTM D790
Impact	22.5 @Temperature -20.0 °C	22.5 @Temperature -4.00 °F	J/mm, instrumented impact, rotomolded test sample; ICO R&D1.14

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