

## ICO Polymers ICORENE® 115-1649 LMDPE Rotational Molding Resin

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

### Material Notes:

Description: ICORENE 115-1649 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, OptiFlo, ColorBrite and RotoGo. 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-115-1649-LMDPE-Rotational-Molding-Resin.php](http://www.lookpolymers.com/polymer_ICO-Polymers-ICORENE-115-1649-LMDPE-Rotational-Molding-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.935 g/cc	0.0338 lb/in <sup>3</sup>	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	17.00 MPa	2466 psi	2"/min; ASTM D638
Elongation at Break	520 %	520 %	2"/min; ASTM D638
Flexural Modulus	0.4200 GPa	60.91 ksi	ASTM D790
Impact	17 @Temperature -20.0 °C	17 @Temperature -4.00 °F	J/mm, instrumented impact, rotomolded test sample; ICO R&D1.14

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China