

## Technical Data Sheet

### *Icorene* 3570-8439GST KD MET SU GOL



Linear Low Density Polyethylene

#### Product Description

*Icorene* 3570 is a linear low density polyethylene for rotational molding applications such as high end coolers, toys, playgrounds, tanks, etc. The grade is UV stabilized and suitable for applications requiring good stiffness and processability. Very good mold surface finish.

<b>Processing Method</b>	Rotomolding
<b>Attribute</b>	Good Toughness; UV Resistant
<b>Forms</b>	Powder
<b>Appearance</b>	Colors Available
<b>Additive</b>	UV Stabilizer
<b>Application</b>	General Purpose; Outdoor Applications; Sporting Goods

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (190 °C/2.16 kg)	6.8	g/10 min	ASTM D1238
Density	0.935	g/cm <sup>3</sup>	ASTM D1505
<b>Mechanical</b>			
Tensile Strength at Yield, (50 mm/min)	18.3	MPa	ASTM D638
Environmental Stress Crack Resistance			
(Condition A, F50, 100% Igepal)	>1000	hr	ASTM D1693
(F50, 10% Igepal)	50.0	hr	ASTM D1693
Flexural Modulus, (1.3 mm/min, 1% Secant)	696	MPa	ASTM D790
<b>Impact</b>			
Impact Strength			
(-40 °C, 3.18 mm, Rotational Molded)	68	J	ARM
(-40 °C, 6.35 mm, Rotational Molded)	258	J	ARM
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (264 psi), (0.125 mm, Rotational Molded)	38.6	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	57.2	°C	ASTM D648

## Notes

These are typical property values not to be construed as specification limits.

## Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

## Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

© LyondellBasell Industries Holdings, B.V. 2018

## Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

## Trademarks

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.