Technical Data Sheet

Icorene 3560-918 RED

Linear Low Density Polyethylene

Product Description

Icorene 3560 is a polyethylene developed for rotational molding applications. Intended applications are primarily large hollow objects, including toys, playground equipment, and a variety of other products.

Regulatory Status

For regulatory compliance information, see *Icorene* 3560-918 RED Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Latin America; North America
Processing Method	Rotomolding
Attribute	Low Temperature Impact Resistance; UV Resistant
Forms	Pellets; Powder
Appearance	Black; Colors Available
Additive	UV Stabilizer
Application	General Purpose; Toys

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	6.7	g/10 min	ASTM D1238
Density	0.935	g/cm³	ASTM D1505
Mechanical			
Tensile Strength at Yield, (51 mm/min, Type IV)	18.3	MPa	ASTM D638
Flexural Modulus	696	MPa	ASTM D790
Environmental Stress Crack Resistance			
(F50, 10% Igepal)	50.0	hr	ASTM D1693
(F50, 100% Igepal)	>1000	hr	ASTM D1693
Impact			
Impact Strength			
(-40 °C, 3.18 mm, Rotational Molded)	71	J	ARM
(-40 °C, 6.35 mm, Rotational Molded)	217	J	ARM
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	38.3	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	54.4	°C	ASTM D648

Manufacturer website: https://www.lyondellbasell.com/en/

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/.

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