Technical Data Sheet

Icorene 5760 GRN 6149

High Density Polyethylene

Product Description

Icorene 5760 is a high density polyethylene specifically developed for rotational moulding.This grade is particularly suitable for use in kayaks and boat applications. It has very high stifness and scratch resistance combined with good processability.

Regulatory Status

For regulatory compliance information, see *Icorene* 5760 GRN 6149 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Europe
Processing Method	Rotomolding
Attribute	Good Processability; High Scratch Resistance; Ultra High Stiffness; UV Resistant
Forms	Powder
Appearance	Natural Color; Unspecified Color
Additive	UV Stabilizer
Application	Water Sports Equipment

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	3.5	g/10 min	ASTM D1238
Density	0.949	g/cm³	ASTM D1505
Mechanical			
Tensile Strength at Yield	23	MPa	ASTM D638
Flexural Modulus	1020	MPa	ASTM D790
Environmental Stress Crack Resistance, (10% Igepal, 50 °C)	45.0	hr	ASTM D1693
Impact			
Charpy Impact Strength - Notched	12	kJ/m²	ISO 179
Drop Impact Resistance, (-20 °C, Internal Method)	205	J/cm	ASTM D4226

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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