

Technical Data Sheet

Icorene 5704 RED 4518



Polyethylene, Medium Density

Product Description

Icorene 5704 is a metallocene medium density polyethylene specifically developed for rotational moulding. This grade is a suitable grade for use in kayaks and boats applications. It has a good balance of properties such as toughness easy flow and stiffness.

Regulatory Status

For regulatory compliance information, see *Icorene* 5704 RED 4518 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Europe
Processing Method	Rotomolding
Attribute	Good Stiffness; Good Toughness; High Flow; 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)	5.0	g/10 min	ASTM D1238
Density	0.938	g/cm ³	ASTM D1505
Mechanical			
Tensile Strength at Yield	20	MPa	ASTM D638
Flexural Modulus	695	MPa	ASTM D790
Impact			
Charpy Impact Strength - Notched	17	kJ/m ²	ISO 179
Drop Impact Resistance, (-20 °C, Internal Method)	200	J/cm	ASTM D4226

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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