Technical Data Sheet

Icorene 5775 GRN 6654

High Density Polyethylene

Product Description

Icorene 5775 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.

Regulatory Status

For regulatory compliance information, see *Icorene* 5775 GRN 6654 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)	3.0	g/10 min	ASTM D1238
Density	0.943	g/cm³	ASTM D1505
Mechanical			
Tensile Strength at Yield	21	MPa	ASTM D638
Flexural Modulus	900	MPa	ASTM D790
Tensile Elongation at Break	800	%	ASTM D638
Impact			
Drop Impact Resistance, (-20 °C, Internal Method)	180	J/cm	ASTM D4226
Hardness			
Durometer Hardness, (Shore D)	63		ASTM D2240
Thermal			
Melting Temperature	128	°C	ASTM D2117

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/.

© LyondellBasell Industries Holdings, B.V. 2026

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.