

Technical Data Sheet

Icorene 4014 WHI 1001



Polypropylene Copolymer

Product Description

Icorene 4014 is a polypropylene copolymer that has been specifically developed for rotational moulding. This grade is UV stabilised and suitable for applications requiring high stiffness and high temperature resistance.

Regulatory Status

For regulatory compliance information, see *Icorene* 4014 WHI 1001 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Europe; Latin America
Processing Method	Rotomolding
Attribute	High Heat Resistance; High Stiffness; UV Resistant
Forms	Powder
Appearance	Natural Color; Unspecified Color
Additive	UV Stabilizer
Application	Automotive Under the Hood; High Temperature Applications; Tanks

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	15	g/10 min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Mechanical			
Tensile Strength at Yield	24	MPa	ASTM D638
Flexural Modulus	1150	MPa	ASTM D790
Impact			
Charpy Impact Strength - Notched, (23 °C)	8.2	kJ/m ²	ISO 179
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	50	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	90	°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/>.

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