

ICORENE® 9993

Polyvinylidene Fluoride
Rotomolding

Product Description

ICORENE® 9993 is a polymer of vinylidene fluoride, PVDF, developed specifically for use in rotational moulding.

This grade is easily processed and has excellent, physical, mechanical, thermal and flame resistant characteristics.

ICORENE® 9993 has excellent abrasion resistance and very good weather resistance.

General			
Material Status	• Commercial: Active		
Availability	• Europe		
Additive	• UV Stabilizer		
Features	• Abrasion Resistant • Chemical Resistant	• Flame Retardant • High Heat Resistance	• UV Resistant • Weather Resistant
Uses	• High Temperature Applications • Vessels		
Appearance	• Natural Color		
Forms	• Powder		
Processing Method	• Rotational Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.80 g/cm ³	1.80 g/cm ³	ISO 1183
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield)	6090 psi	42.0 MPa	ISO 527-2
Flexural Modulus	189000 psi	1300 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Unnotched Izod Impact (73°F (23°C))	No Break	No Break	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature 66 psi (0.45 MPa), Unannealed	158 °F	70.0 °C	ISO 75-2
Melting Temperature	311 to 320 °F	155 to 160 °C	ASTM D2117
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating	V-0	V-0	Internal Method

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. 2019

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.