

Technical Data Sheet

Icorene 9993

Polyvinylidene Fluoride
LyondellBasell Industries
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

Additive	• UV Stabilizer		
Features	• Abrasion Resistant • Chemical Resistant	• Flame Retardant • Good Weather Resistance	• High Heat Resistance • UV 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 D4812

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 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.