

Technical Data Sheet

Icorene 1061 ESF WHITE 1001

Linear Low Density Polyethylene
LyondellBasell Industries
Rotomolding

Product Description

ICORENE® 1061 ESF WHITE 1001 is the "next generation" enhanced surface finish polyethylene, specifically developed for rotational moulding.

This grade is designed to remove the surface pinholes during processing for applications such as hygienic, medical, furniture and design applications. ICORENE® 1061 ESF WHITE 1001 is easy to process, has a good flow and good physical properties.

General			
Additive	• UV Stabilizer		
Features	• General Purpose • Good Flow	• Good Moldability • Good Processability	• Good Stiffness • UV Resistant
Uses	• Food Containers • Furniture	• General Purpose • Hygiene	• Toys
Appearance	• White		
Forms	• Powder		
Processing Method	• Rotational Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.934 g/cm³	0.934 g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg)	8.0 g/10 min	8.0 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	2610 psi	18.0 MPa	ASTM D638
Tensile Elongation (Yield)	23 %	23 %	ASTM D638
Flexural Modulus	79800 psi	550 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Drop Impact Resistance ¹ (-4°F (-20°C))	3.82 in·lb/mil	170 J/cm	Internal Method
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	57	57	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Melting Temperature (DSC)	257 °F	125 °C	ISO 3146

Notes

¹ Based on ISO 6603

Notes

These are typical property values not to be construed as specification limits.