

Technical Data Sheet

Icorene 9106 V0 White 1803

Linear Low Density Polyethylene
LyondellBasell Industries
Rotomolding

Product Description

ICORENE® 9106 V0 White 1803 is the next generation of flame retardants developed using Halogen free additives for use in rotational moulding applications. It is not recommended for use in products with very intricate tool detail.

This grade complies with the requirements to meet UL94 V0 at 5mm thickness.

General		
Additive	• Halogen free: Flame Retardant ¹	
Features	• Halogen Free	• UV Resistant
Uses	• Electrical Parts	• General Purpose
Agency Ratings	• UL 94 V0	
Appearance	• White	
Forms	• Powder	
Processing Method	• Rotational Molding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	> 1.00 g/cm³	> 1.00 g/cm³	ASTM D1505
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength			ASTM D638
Yield	2030 psi	14.0 MPa	
Break	1160 psi	8.00 MPa	
Tensile Elongation			ASTM D638
Yield	13 %	13 %	
Break	35 %	35 %	
Flexural Modulus	95700 psi	660 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Drop Impact Resistance	1.35 in·lb/mil	60.0 J/cm	Internal Method
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.20 In (5.0 Mm))	V-0	V-0	IEC 60695-11-10

Notes

¹ Meets UL94 V0

Notes

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