

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/cm ³	> 1.00 g/cm ³	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.