

Technical Data Sheet

**Icorene 1762 V2**

Metallocene Medium Density Polyethylene

LyondellBasell Industries

Rotomolding

Product Description

ICORENE® 1762 V2 is based on a next generation metallocene linear medium density polyethylene containing a halogen free flame retardant additive package for rotational moulding applications. ICORENE® 1762 V2 is available in white, black and some colours.

This grade has been tested to comply with the requirements to meet UL94 V2 at 3mm thickness.

General

Material Status	• Commercial: Active		
Availability	• Europe		
Additive	• Halogen free: Flame Retardant ¹		
Features	• Flame Retardant	• Halogen Free	• UV Resistant
Uses	• General Purpose	• Tanks	
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
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0 g/10 min	5.0 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	2180 psi	15.0 MPa	ASTM D638
Tensile Elongation (Break)	600 %	600 %	ASTM D638
Flexural Modulus	65300 psi	450 MPa	ASTM D790
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.12 in (3.0 mm))	V-2	V-2	Internal Method

Notes

¹ Meets UL94 V2

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.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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