

Technical Data Sheet**Icorene 6005**

Linear Low Density Polyethylene
LyondellBasell Industries
Rotomolding

Product Description

ICORENE® 6005 is a linear low density polyethylene specifically formulated with a foaming agent suitable for rotomoulding.

This grade is a foam concentrate that needs to be added and mixed with polyethylene powder with addition level within 5 and 25%.
ICORENE® 6005-010, 6005-014 and 6005-020 have been already diluted and are ready to use and has a high cohesion with a PE skin.

General

Material Status	• Commercial: Active		
Availability	• Europe		
Additive	• UV Stabilizer		
Features	• Bondability	• Foamable	• UV Resistant
Uses	• Containers	• Protective Coverings	
Forms	• Powder		
Processing Method	• Rotational Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.935 g/cm ³	0.935 g/cm ³	ASTM D1505
Apparent (Bulk) Density			Internal Method
... ¹	0.20 to 0.25 g/cm ³	0.20 to 0.25 g/cm ³	
... ²	0.15 to 0.20 g/cm ³	0.15 to 0.20 g/cm ³	
... ³	0.12 to 0.15 g/cm ³	0.12 to 0.15 g/cm ³	

Notes

¹ Expanded density ICORENE® 6005-010

² Expanded density ICORENE® 6005-014

³ Expanded density ICORENE® 6005-020

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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