

Technical Data Sheet



Icorene 7620 Fuel Lock

Polyamide 6
LyondellBasell Industries
Rotomolding

Product Description

ICORENE® 7620 Fuel Lock is a high impact Polyamide 6 specifically developed for the rotational moulding of fuel tanks.

This grade has been developed in collaboration with DSM and once moulded the ICORENE® 7620 Fuel Lock has higher resistance through fuel evaporation.

Thus, monolayer tanks of this grade with thin wall thickness can easily pass the permeation requirements of the Environmental Protection Agency (EPA, USA) for CE10.

General

Material Status	• Commercial: Active		
Availability	• Europe		
Features	• Fuel Resistant	• Gas Barrier	• High Heat Resistance
Uses	• Fuel Tanks		
Appearance	• Black	• Natural Color	
Forms	• Powder		
Processing Method	• Rotational Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.05 g/cm ³	1.05 g/cm ³	ASTM D1505
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Flexural Modulus	261000 psi	1800 MPa	ISO 178/A
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Drop Impact Resistance ¹ (32°F (0°C))	> 5.62 in·lb/mil	> 250 J/cm	Internal Method
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 66 psi (0.45 MPa), Unannealed	167 °F	75.0 °C	ISO 75-2/B
Melting Temperature	428 °F	220 °C	ISO 11357-3

Notes

¹ condition 1 hours in water at 70°C for a part of 3mm thickness.
Based on ISO 6603

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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