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			
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/cm³	1.05 g/cm³	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			ISO 75-2/B
66 Psi (0.45 Mpa), Unannealed	167 °F	75.0 °C	
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.