ICORENE® 7620 Fuel Lock
Polyamide 6

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. 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/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	ISO 6603-2
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Heat Deflection Temperature			ISO 75-2/B
66 psi (0.45 MPa), Unannealed	167 °F	75.0 °C	
Melting Temperature	428 °F	220 °C	ISO 3146

Notes
[1] condition 1 hours in water at 70°C for a part of 3mm thickness