(+) 188 1699 6168
hongrunplastics.com

Technical Data Sheet

Icorene 1741 Black 9001

High Density Polyethylene
LyondellBasell Industries
Rotomolding

Product Description

ICORENE® 1741 BLACK 9001 is a metallocene high density polyethylene specifically developed for use in rotational moulding.

This grade is designed for use in many different rotomoulding applications. It has good overall mouldability, high rigidity and very good toughness.

General

Additive	• UV Stabilizer		
Features	• Good Impact Resistance • Good Moldability	• Good Toughness • High Rigidity	• UV Resistant
Uses	• Tanks	• Thick-walled Parts	
Appearance	• Black		
Forms	• Powder		
Processing Method	• Rotational Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.940 g/cm³	0.940 g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°c/2.16 Kg)	4.0 g/10 min	4.0 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (Yield)	2900 psi	20.0 MPa	ISO 527-2
Tensile Elongation (Break)	800 %	800 %	ISO 527-2
Flexural Modulus	116000 psi	800 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Drop Impact Resistance (-4°f (-20°c))	4.05 in·lb/mil	180 J/cm	ISO 6603-2
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ISO 75-2/B
66 Psi (0.45 Mpa), Unannealed	149 °F	65.0 °C	
Melting Temperature	259 °F	126 °C	ISO 11357

Notes

These are typical property values not to be construed as specification limits.