

Technical Data Sheet



Icorene - Semi Conductives 1761 SC Black 9002

Metallocene Medium Density Polyethylene

LyondellBasell Industries

Rotomolding

Product Description

ICORENE® 1761SC Black 9002 is a special electrically conductive black medium density metallocene polyethylene powder designed for rotational moulding applications.

It is suitable for use in applications where permanent semi conductive or antistatic behaviour is required. It has a good balance of properties such as toughness, easy flow, reasonable impact, and surface gloss.

General

Additive	• UV Stabilizer		
Features	• Good Toughness	• Semi Conductive	• UV Resistant
Uses	• General Purpose		
Appearance	• Black		
Forms	• Powder		
Processing Method	• Rotational Molding		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.934 g/cm ³	0.934 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg)	6.0 g/10 min	6.0 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	2180 psi	15.0 MPa	ASTM D638
Flexural Modulus	87000 psi	600 MPa	ASTM D790
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	250 °F	121 °C	ISO 306
Melting Temperature	253 °F	123 °C	ISO 11357
Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Surface Resistivity	1.0E+5 ohms	1.0E+5 ohms	IEC 61340-2-3

Notes

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