

Technical Data Sheet

Icorene - Semi Conductives 3590 SC Black 9002

Linear Low Density Polyethylene

LyondellBasell Industries

Rotomolding

Product Description

ICORENE® 3590SC Black 9002 is a special electrically conductive black LLDPE 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 finish.

General	
Additive	• UV Stabilizer
Features	• Good Processability • Semi Conductive • Good Toughness • 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/cm³	0.934 g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 Kg)	8.0 g/10 min	8.0 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	72500 psi	500 MPa	ASTM D790
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	235 °F	113 °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.