

Technical Data Sheet

***Icorene* 3590 SC BLK 9002**

Linear Low Density Polyethylene

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.

Processing Method	Rotomolding
Attribute	Good Processability; Good Toughness; Semi Conductive; UV Resistant
Forms	Powder
Appearance	Black
Additive	UV Stabilizer
Application	General Purpose

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	8.0	g/10 min	ASTM D1238
Density	0.934	g/cm ³	ASTM D1505
Mechanical			
Tensile Strength at Yield	15	MPa	ASTM D638
Flexural Modulus	500	MPa	ASTM D790
Thermal			
Vicat Softening Temperature	113	°C	ISO 306
Melting Temperature	123	°C	ISO 11357
Electrical			
Surface Resistivity	1.0E+5	ohm	IEC 61340-2-3