

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.

Regulatory Status

For regulatory compliance information, see *Icorene* 3590 SC BLK 9002 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Europe
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

Notes

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

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

© LyondellBasell Industries Holdings, B.V. 2018

Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

Trademarks

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.