

Hostalen GM 9350 C black

High Density Polyethylene
LyondellBasell Industries

Technical Data

Product Description

Hostalen GM 9350 C black is a compounded high molecular weight high density polyethylene (HDPE). Typical customer applications include fuel tank filler pipes requiring electrical conductivity. It is supplied in pellets and is stabilized with antioxidants for the extrusion process. The product features a very good Environmental Stress Cracking Resistance (ESCR) and a good chemical resistance. Typical processes include blow molding and injection molding.

Hostalen GM 9350 C black is not intended for use in medical and pharmaceutical applications. The product can not be used for food contact applications.

General

Material Status	• Commercial: Active		
Literature ¹	• Processing - Mold Shrink (English) • Processing - PE Films (English) • Processing - Polyolefin Injection Molding Guide (English) • Technical Datasheet (English)		
Search for UL Yellow Card	• LyondellBasell Industries • Hostalen		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Antioxidant		
Features	• Antioxidant • Electrically Conductive	• Good Chemical Resistance • High ESCR (Stress Crack Resist.)	• High Molecular Weight
Uses	• Fuel Tanks		
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Blow Molding	• Extrusion Blow Molding	• Injection Molding

Physical	Nominal Value Unit	Test Method
Density	0.995 g/cm³	ISO 1183
Apparent Density	0.55 g/cm³	ISO 60
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	3.0 g/10 min	ISO 1133

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	1200 MPa	ISO 527-2
Tensile Stress (Yield)	28.0 MPa	ISO 527-2/1
Tensile Strain (Yield)	7.0 %	ISO 527-2

Impact	Nominal Value Unit	Test Method
Tensile Impact Strength (-30°C)	45.0 kJ/m²	ISO 8256/1B

Electrical	Nominal Value Unit	Test Method
Surface Resistivity	1.0E+4 ohm	IEC 60093
Volume Resistivity	1.0E+5 ohm·cm	IEC 60093

Additional Information	Nominal Value Unit
Blow Molding Temperature	180 to 230 °C

Injection	Nominal Value Unit
Processing (Melt) Temp	240 to 270 °C

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.