

Hostalen GM 9350 C black

Compounded Polyolefin

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.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Processing Methods	Extrusion Blow Molding, Injection Molding
Features	Good Chemical Resistance, Electrically Conductive, High ESCR (Environmental Stress Cracking Resistance)
Typical Customer Applications	Fuel Tanks

Typical Properties	Method	Value	Unit
Physical			
Density <i>Note: at 23°C</i>	ISO 1183	0.995	g/cm ³
Bulk density	ISO 60	550	g/cm ³
Melt flow rate (190/21,6)	ISO 1133	3	g/10 min
Mechanical			
Tensile Impact Strength <i>Note: -30 °C, notched, Method 1/B</i>	ISO 8256	45	kJ/m ²
Elongation at yield <i>Note: Method 2</i>	ISO 527	7	%
Tensile stress at yield <i>Note: Method 2</i>	ISO 527	28	MPa
Tensile modulus	ISO 527	1200	MPa
Electrical			
Volume Resistivity	IEC 93	1E+05	Ohm*cm
Specific surface resistivity	IEC 93	1E+04	Ohm / sq.

Additional Properties

Processing:

Recommended melt temperatures for blow molding: 180-230 °C

Recommended melt temperature for injection molding: 240 - 270 °C

Processing conditions can affect the conductivity properties of the final part. It is thus recommended to process the material smoothly and at low shear rates. It is also highly

