

Technical Data Sheet

Hostalen GC 7258

High Density Polyethylene



Product Description

Hostalen GC 7258 is a high density polyethylene resin used in injection molding applications such as cartridges, boxes and crates, and a variety of housewares. Hostalen GC 7258 combines a high ESCR with good flowability and rigidity. It also demonstrates good impact resistance and low warpage. Hostalen GC 7258 is not intended for use in medical and pharmaceutical applications.

Status	Commercial: Active
Availability	Europe
Application	Crates; Housewares; Industrial; Panels & Profiles; Sports, Leisure & Toys
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Antioxidant; Good Flow; Good Impact Resistance; Good Processability; High Density; High ESCR (Environmental Stress Cracking Resistance); Low Warpage

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate			
(190 °C/2.16 kg)	7.5	g/10 min	ISO 1133-1
(190 °C/5.0 kg)	22	g/10 min	ISO 1133-1
Density	0.958	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	1400	MPa	ISO 527-1, -2
Tensile Stress at Yield	28	MPa	ISO 527-1, -2
Tensile Strain at Yield	7	%	ISO 527-1, -2
FNCT, (6.0 MPa, 2% Arkopal N100, 50 °C)	2.8	hr	ISO 16770
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	4.0	kJ/m ²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	4.5	kJ/m ²	ISO 179
Thermal			
Vicat Softening Temperature, (B50)	72	°C	ISO 306
Processing Parameters			
Melt Temperature	180 - 250	°C	

Notes

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

