



Hostalen GC 7258

Polyethylene, High Density

Product Description

Hostalen GC 7258 is a high density polyethylene (HDPE) 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.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe
Processing Methods	Injection Molding
Features	Antioxidant, High Density, High ESCR (Environmental Stress Cracking Resistance), Good Flow, Good Impact Resistance , Good Processability, Low Warpage
Typical Customer Applications	Crates, Housewares, Industrial, Panels & Profiles, Sports, Leisure and Toys

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.958	g/cm³
Melt flow rate (MFR)	ISO 1133		
(190°C/2.16kg)		8.0	g/10 min
(190°C/5.0kg)		22	g/10 min
Mechanical			
Tensile Modulus	ISO 527-1, -2	1400	MPa
Tensile Stress at Yield	ISO 527-1, -2	28	MPa
Tensile Strain at Yield	ISO 527-1, -2	7	%
Impact			
Charpy notched impact strength	ISO 179		
(23 °C, Type 1, Edgewise, Notch A)		4.0	kJ/m²
(-30 °C, Type 1, Edgewise, Notch A)		4.5	kJ/m²
Thermal			
Vicat softening temperature B/50	ISO 306	72	°C

Additional Properties

Recommended processing temperature 180°C - 250°C

Notes

Typical properties; not to be construed as specifications.