

Technical Data Sheet

Hostalen GC 7260 LS

High Density Polyethylene



Product Description

Hostalen GC 7260 LS is a high density polyethylene resin stabilized to prevent UV degradation. In addition to general injection molding applications such as toys, it is widely used in dust bin lids, crates, housewares and packaging. Hostalen GC 7260 LS demonstrates good flowability and high rigidity and has been extensively used by customers in injection molding and other conversion processes. Hostalen GC 7260 LS is not intended for use in medical and pharmaceutical applications.

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand; Europe; South & Central America
Application	Crates; Housewares; Industrial; Panels & Profiles; Sports, Leisure & Toys
Market	Consumer Products; Rigid Packaging
Processing Method	Injection Molding
Attribute	Antioxidant; Good Flow; Good Processability; High Density; High Rigidity; Low Warpage; UV Resistant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate			
(190 °C/2.16 kg)	8.0	g/10 min	ISO 1133-1
(190 °C/5.0 kg)	23	g/10 min	ISO 1133-1
Density	0.960	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	1450	MPa	ISO 527-1, -2
Tensile Stress at Yield	30	MPa	ISO 527-1, -2
Tensile Strain at Yield	7	%	ISO 527-1, -2
FNCT, (6.0 MPa, 2% Arkopal N100, 50 °C)	2.5	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
Hardness			
Shore Hardness, (Shore D)	61		ISO 868
Ball Indentation Hardness, (H 132/30)	58	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (B50)	74	°C	ISO 306
Processing Parameters			
Melt Temperature	180 - 250	°C	

