

Technical Data Sheet

Hostalen GD 7255

High Density Polyethylene



Product Description

Hostalen GD 7255 is a high density polyethylene resin used in general injection molding applications such as pallets and dust bins. Hostalen GD 7255 is available in pellet form, and exhibits high ESCR, good impact resistance, flowability and low warpage. Hostalen GD 7255 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	Caps & Closures; 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 Impact Resistance; High Rigidity; Low Warpage

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate			
(190 °C/2.16 kg)	4.0	g/10 min	ISO 1133-1
(190 °C/5.0 kg)	11.0	g/10 min	ISO 1133-1
Density	0.955	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	1200	MPa	ISO 527-1, -2
Tensile Stress at Yield	27	MPa	ISO 527-1, -2
Tensile Strain at Yield	8	%	ISO 527-1, -2
FNCT, (6.0 MPa, 2% Arkopal N100, 50 °C)	4.5	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)	60		ISO 868
Ball Indentation Hardness, (H 132/30)	52	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (B50)	73	°C	ISO 306
Processing Parameters			
Melt Temperature	180 - 250	°C	

