

Hostalen GD 7255

High Density Polyethylene

LyondellBasell Industries

Technical Data

Product Description

Hostalen GD 7255 is a high density polyethylene (HDPE) 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.

General

Material Status	• Commercial: Active		
Literature ¹	• Processing - Mold Shrink (English) • Processing - PE Films (English) • Processing - Polyolefin Injection Molding Guide (English) • Technical Datasheet (English)		
Search for UL Yellow Card	• LyondellBasell Industries • Hostalen		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	
Additive	• Antioxidant		
Features	• Antioxidant • Good Flow • Good Processability	• High Density • High ESCR (Stress Crack Resist.) • High Impact Resistance	• High Rigidity • Low Warpage
Uses	• Caps • Closures • Crates	• Household Goods • Industrial Applications • Profiles	• Sporting Goods • Toys
Forms	• Pellets		
Processing Method	• Injection Molding		

Physical	Nominal Value Unit	Test Method
Density	0.955 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)		ISO 1133
190°C/2.16 kg	4.0 g/10 min	
190°C/5.0 kg	11 g/10 min	
FNCT ³ (50°C)	4.5 hr	Internal Method
Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	1200 MPa	ISO 527-2
Tensile Stress (Yield)	27.0 MPa	ISO 527-2
Tensile Strain (Yield)	8.0 %	ISO 527-2
Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength		ISO 179/1eA
-30°C	4.5 kJ/m ²	
23°C	4.0 kJ/m ²	
Hardness	Nominal Value Unit	Test Method
Shore Hardness (Shore D)	60	ISO 868
Ball Indentation Hardness	52.0 MPa	ISO 2039-1
Thermal	Nominal Value Unit	Test Method
Vicat Softening Temperature	73.0 °C	ISO 306/B50

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

³ 6 MPa, 2% Arkopal