

Hostalen GD 4755

High Density Polyethylene

LyondellBasell Industries

Message:

Exceptional organoleptic properties and a good balance of stiffness, toughness and environmental stress cracking resistance make Hostalen GD4755 the choice of customers for the production of closures for sparkling water, CSD and many other types of food and non-food caps and closures. Customers also use this material for engineering parts.

This grade is not intended for use in medical or pharmaceutical applications.

General Information			
Features	Good Organoleptic Properties		
	Good Toughness		
	High Density		
	High ESCR (Stress Crack Resist.)		
Uses	Caps		
	Closures		
Processing Method	Compression Molding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.953	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	1.9	g/10 min	
190°C/5.0 kg	6.0	g/10 min	
FNCT ¹ (50°C)	8.0	hr	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	62		ISO 868
Ball Indentation Hardness (H 132/30)	51.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1100	MPa	ISO 527-2
Tensile Stress (Yield)	27.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	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	6.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	75.0	°C	ISO 306/B50
Injection	Nominal Value	Unit	

Processing (Melt) Temp	190 to 230	°C
NOTE		

1. 6MPa, 2% Arkopal

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Recommended distributors for this material

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