

Hostalen ACP 5331 H

High Density Polyethylene

LyondellBasell Industries

Message:

Hostalen ACP 5331 H is a state of the art HDPE resin, produced by latest Hostalen ACP technology.

Hostalen ACP 5331 H is easy processable on injection moulding and compression moulding equipment.

Exceptional organoleptic properties and a good balance of stiffness, toughness and environmental stress cracking resistance make Hostalen ACP 5331H 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 as well as tube shoulders.

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

General Information			
Features	Food Contact Acceptable		
	Good Organoleptic Properties		
	Good Processability		
	Good Stiffness		
	Good Toughness		
	High ESCR (Stress Crack Resist.)		
Uses	Bottles		
	Caps		
	Closures		
	Tubing		
Appearance	Colors Available		
Forms	Pellets		
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	2.1	g/10 min	
190°C/5.0 kg	6.3	g/10 min	
FNCT ¹ (50°C)	> 9.0	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	1150	MPa	ISO 527-2
Tensile Stress (Yield)	30.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (-30°C)	5.0	kJ/m ²	ISO 179
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. 6 MPa, 2% Arkopal

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