



Hostalen ACP 5331 H

Polyethylene, High Density

Product Description

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.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Asia-Pacific, Australia/NZ, Africa-Middle East
Processing Methods	Compression Molding, Injection Molding
Typical Customer Applications	Caps & Closures, Collapsible Tubes

Typical Properties	Method	Value	Unit
Physical			
Density (23°C)	ISO 1183	0.953	g/cm ³
Melt flow rate (MFR)	ISO 1133		
(190°C/2.16kg)		2.1	g/10 min
(190°C/5.0kg)		6.3	g/10 min
Mechanical			
Tensile Modulus	ISO 527-1, -2	1150	MPa
Tensile Stress at Yield	ISO 527-1, -2	30	MPa
Tensile Strain at Yield	ISO 527-1, -2	10	%
ESCR (Basell)	Basell Method	>9	hr
<i>Note: FNCT (Full Notch Creep Test), 6MPa, 2% Arkopal, 50°C</i>			
Impact			
Charpy notched impact strength (-30 °C)	ISO 179	5	kJ/m ²
Hardness			
Shore hardness (Shore D)	ISO 868	62	
Ball indentation hardness (H 132/30)	ISO 2039-1	51	
Thermal			
Vicat softening temperature B/50	ISO 306	75	°C

Additional Properties

Recommended processing temperatures: 190°C to 230°C.

Notes

Typical properties; not to be construed as specifications.