Technical Data Sheet

Hostalen ACP 5331 H B

High Density Polyethylene

Product Description

Hostalen ACP 5331H B is a state of the art HDPE resin, produced by latest *Hostalen* ACP technology. *Hostalen* ACP 5331H B 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 B the choice of customers for the production of closures and many other types of food and nonfood caps and closures as well as tube shoulders.

Regulatory Status

For regulatory compliance information, see *Hostalen* ACP 5331 H B Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Asia-Pacific
Application	Caps & Closures; Collapsible Tubes
Market	Consumer Products; Rigid Packaging
Processing Method	Compression Molding; Injection Molding
Attribute	Good ESCR (Environmental Stress Cracking Resistance); Good Organoleptic Properties; Good Toughness; High Density

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate			
(190 °C/2.16 kg)	2.0	g/10 min	ISO 1133-1
(190 °C/5.0 kg)	6.3	g/10 min	ISO 1133-1
Density	0.953	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	1250	MPa	ISO 178
Tensile Stress at Yield	26.5	MPa	ISO 527-1, -2
Tensile Strain at Yield	10	%	ISO 527-1, -2
Environmental Stress Crack Resistance, (Condition B, F50, 10% Igepal, 50 °C)	20	hr	ASTM D1693
Impact			
Charpy Impact Strength - Notched			
(23 °C)	7	kJ/m²	ISO 179
(-30 °C)	5	kJ/m²	ISO 179
Hardness			
Shore Hardness, (Shore D)	61		ISO 868
Thermal			
Vicat Softening Temperature, (B50)	75	°C	ISO 306

Notes

These are typical property values not to be construed as specification limits.

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

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