Technical Data Sheet

Hostalen ACP 5331A B

High Density Polyethylene

Product Description

Hostalen ACP 5331 A B is a high density polyethylene with an excellent combination of stiffness and ESCR and a good impact resistance. It is delivered in pellet form and contains antioxidants. Typical customer applications include larger jerry cans and drums up to 60 l for the packaging of dangerous goods. Hostalen ACP 5331 A is not intended for use in medical and pharmaceutical applications.

Regulatory Status

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

Status	Commercial: Active
Availability	Asia-Pacific
Application	Drums; Industrial Packaging; Jerry Cans
Market	Industrial Packaging
Processing Method	Extrusion Blow Molding
Attribute	Antioxidant; Good Impact Resistance; High ESCR (Environmental Stress Cracking Resistance); High Rigidity

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate			
(190 °C/5.0 kg)	0.28	g/10 min	ISO 1133-1
(190 °C/21.6 kg)	6.5	g/10 min	ISO 1133-1
Density	0.952	g/cm³	ISO 1183-1
Mechanical			
Tensile Modulus	1050	MPa	ISO 527-1, -2
Tensile Stress at Yield	26	MPa	ISO 527-1, -2
Tensile Strain at Yield	10	%	ISO 527-1, -2
Environmental Stress Crack Resistance, F_{50}	600	hr	ASTM D1693
Impact			
Charpy Impact Strength - Notched, (-30 °C)	20	kJ/m²	ISO 179
Tensile Impact Strength	130	kJ/m²	ISO 8256
Note: notched, type 1, method A, -30 °C			
Hardness			
Ball Indentation Hardness, (H 132/30)	47	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (B50)	80	°C	ISO 306
Processing Parameters			
Melt Temperature	180 - 220	°C	

Manufacturer website: https://www.lyondellbasell.com/en/

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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