Technical Data Sheet

Hostalen ACP 9541 A B

High Density Polyethylene

Product Description

Hostalen ACP 9541A 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 60L for the packaging of dangerous goods. *Hostalen* ACP 9541A B is not intended for use in medical and pharmaceutical applications.

Regulatory Status

For regulatory compliance information, see *Hostalen* ACP 9541 A B Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Availability	Asia-Pacific
Application	Drums; Industrial Packaging; Jerry Cans
Market	Consumer Products; Industrial Packaging; Rigid 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)	0.5	g/10 min	ISO 1133-1
(190 °C/21.6 kg)	9.5	g/10 min	ISO 1133-1
Density	0.953	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus	1200	MPa	ISO 178
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} (10% Igepal®, Cond B)	300	hr	ASTM D1693
Impact			
Charpy Impact Strength - Notched			
(23 °C)	25	kJ/m²	ISO 179-1/1eA
(-30 °C)	18	kJ/m²	ISO 179-1/1eA
Thermal			
Vicat Softening Temperature, (B50)	80	°C	ISO 306
Processing Parameters			
Melt Temperature	180 - 220	°C	

Product

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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