

Hostalen ACP 5531 B

High Density Polyethylene

LyondellBasell Industries

Message:

Hostalen ACP 5531 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 jerry cans for the packaging of dangerous goods and light weight jerry cans. Hostalen ACP 5531 B is not intended for use in medical and pharmaceutical applications.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Good Impact Resistance		
	High ESCR (Stress Crack Resist.)		
	High Rigidity		
Uses	Blow Molding Applications		
	Jerricans		
Forms	Pellets		
Processing Method	Extrusion Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.954	g/cm ³	ISO 1183
Apparent Density	> 0.50	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/21.6 kg	9.5	g/10 min	
190°C/5.0 kg	0.45	g/10 min	
FNCT - 3.5 MPa ⁻¹ (80°C)	1.7	day	ISO 16770
Staudinger Index	300	cm ³ /g	ISO 1628-3
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	1250	MPa	ISO 527-2
Tensile Stress (Yield)	27.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength (-30°C)	90.0	kJ/m ²	ISO 8256/1A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	80.0	°C	ISO 306/B50
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 220	°C	

NOTE

1. 2% Igepal BC/9

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