

Hostalen ACP 5331 A

High Density Polyethylene
LyondellBasell Industries

Message:

Hostalen ACP 5331 A 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 containing antioxidants. Typical customer applications include larger jerry cans and drums up to 60 for the packaging of dangerous goods. Hostalen ACP 5331 A is not intended for use in medical and pharmaceutical applications.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Good Impact Resistance		
	Good Stiffness		
	High ESCR (Stress Crack Resist.)		
	High Rigidity		
Uses	Blow Molding Applications		
	Drums		
	Engineering Parts		
	Jerricans		
Forms	Pellets		
Processing Method	Extrusion Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm ³	ISO 1183
Apparent Density	> 0.50	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	6.5	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance ¹ (80°C, 2% Igepal)	50.0	hr	ISO 16770
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 132/30)	47.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1050	MPa	ISO 527-2
Tensile Stress (Yield)	26.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength (-30°C)	150	kJ/m ²	ISO 8256/1
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	80.0	°C	ISO 306/B50
Additional Information	Nominal Value	Unit	Test Method

Staudinger Index	400	cm ³ /g	ISO 1628-3
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 220	°C	
NOTE			
1.	3.5 MPa; BC/9		

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