



Hostalen ACP 5331 A

Polyethylene, High Density

Product Description

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 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.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, North America, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
Processing Methods	Extrusion Blow Molding
Features	Antioxidant, High ESCR (Environmental Stress Cracking Resistance), Good Impact Resistance , High Rigidity
Typical Customer Applications	Blow Moulding Applications, Jerry Cans

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.952	g/cm ³
Melt flow rate (MFR) (190°C/21.6kg g/10 min)	ISO 1133	6.5	g/10 min
Bulk density	ISO 60	>0.500	g/cm ³
Mechanical			
Tensile Modulus	ISO 527-1, -2	1050	MPa
Tensile Stress at Yield	ISO 527-1, -2	26.0	MPa
Tensile Strain at Yield	ISO 527-1, -2	10	%
Tensile Impact Strength	ISO 8256	150.0	kJ/m ²
Note: notched, type 1, method A, -30°C			
Hardness			
Ball indentation hardness (H 132/30)	ISO 2039-1	47.0	MPa
Thermal			
Vicat softening temperature (B50 (50°C/h 50N))	ISO 306	80.0	°C

Additional Properties

Staudinger Index (ISO 1628-3): 400 ml/g
ESCR (FNCT 3.5 MPa / 80°C, 2% Arkopal N100)(ISO 16770): 50 h

Processing Temperature Range: 180 - 220 °C