

Hostalen ACP 6031 D

High Density Polyethylene

LyondellBasell Industries

Product Description

Hostalen ACP 6031 D is a high density polyethylene with an excellent combination of stiffness and stress crack resistance. It is delivered in pellet form containing low amount of antioxidants and designed for small blow moulding applications.

General

Additive	• Antioxidant		
Features	• Antioxidant • Good Stiffness	• High ESCR (Stress Crack Resist.) • High Rigidity	
Uses	• Blow Molding Applications • Bottles	• Consumer Applications • Industrial Applications	• Packaging
Forms	• Pellets		
Processing Method	• Extrusion Blow Molding	• Injection Blow Molding	

Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm ³	ISO 1183
Apparent Density	> 0.50	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.35	g/10 min	
190°C/21.6 kg	24	g/10 min	
190°C/5.0 kg	1.2	g/10 min	
Full Notch Creep Test			ISO 16770
80°C, 3.5 MPa, 2% Arcopal	7.0	hr	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1420	MPa	ISO 527-2
Tensile Stress (Yield)	30.0	MPa	ISO 527-2
Tensile Strain (Yield)	8.0	%	ISO 527-2

Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	65.0	kJ/m ²	ISO 8256

Extrusion	Nominal Value	Unit
Melt Temperature	180 to 220	°C

Notes

¹ Typical properties: these are not to be construed as specifications.