

Hostalen ACP 6031 D

High Density Polyethylene
LyondellBasell Industries

Message:

Hostalen ACP 6031 D is a high density polyethylene (HDPE) resin used in small blow molding application such as thin-wall packaging and consumer goods. It exhibits very high stiffness. Hostalen ACP 6031 D is delivered in pellet form, contains antioxidants and has a broad molecular weight distribution. Hostalen ACP 6031 D is not intended for use in medical and pharmaceutical applications.

General Information	
Additive	Antioxidant
Features	Antioxidant
	High ESCR (Stress Crack Resist.)
	High Stiffness
	Wide Molecular Weight Distribution
Uses	Blow Molding Applications
	Bottles
	Consumer Applications
	Industrial Applications
	Packaging
	Thin-walled Packaging
	Vials
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	23	g/10 min	
190°C/5.0 kg	1.2	g/10 min	
Environmental Stress-Cracking Resistance	130	hr	ASTM D1693
Full Notch Creep Test ¹ (80°C)	7.0	hr	ISO 16770
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	64		ISO 868
Ball Indentation Hardness (H 132/30)	63.0	MPa	ISO 2039-1
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)	7.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (-30°C)	6.0	kJ/m ²	ISO 179/1A
Tensile Impact Strength (-30°C)	65.0	kJ/m ²	ISO 8256/1
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 220	°C	
NOTE			
1.	3.5 MPa, 2% Igepal BC/9		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
 Phone: +86 13424755533
 Email: sales@su-jiao.com
 No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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