

# Hostalen ACP 5831 D

## Polyethylene, High Density

### Product Description

Hostalen ACP 5831 D is a high density polyethylene with an excellent combination of stiffness and stress crack resistance. It is delivered in pellet form containing antioxidants and designed for small bow moulding applications in the food and consumer segment and for toys.

### Product Characteristics

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ISO
<b>Availability</b>	Europe
<b>Processing Method</b>	Extrusion Blow Moulding
<b>Features</b>	Antioxidant, High ESCR (Stress Crack Resist.), High Rigidity
<b>Typical Customer Applications</b>	Blow Moulding Applications, Sports, Leisure and Toys, Consumer Packaging

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density	ISO 1183	0.958	g/cm <sup>3</sup>
Melt flow rate (MFR)	ISO 1133		
(190°C/2.16kg)		0.25	g/10 min
(190°C/21.6kg)		22	g/10 min
(190°C/5.0kg)		1.2	g/10 min
Bulk density	ISO 60	>0.500	g/cm <sup>3</sup>
<b>Mechanical</b>			
Tensile Modulus	ISO 527-1, -2	1350	MPa
Tensile Stress at Yield	ISO 527-1, -2	28.0	MPa
Tensile Strain at Yield	ISO 527-1, -2	10	%
Tensile Impact Strength	ISO 8256	75.0	kJ/m <sup>2</sup>
<i>Note: notched</i>			
<b>Hardness</b>			
Shore hardness (Shore D)	ISO 868	63	
Ball indentation hardness (H 132/30)	ISO 2039-1	53.0	MPa
<b>Film</b>			
Melt Temperature		180 to 220	°C

### Notes

Typical properties; not to be construed as specifications.