



## Hostalen ACP 6541A UV

### Polyethylene, High Density

#### Product Description

Outstanding balance of stiffness, toughness and environmental stress cracking resistance make *Hostalen* ACP6541A UV the choice of customers for the production of closures for water, CSD and many other types of food and non-food caps and closures.

*Hostalen* ACP6541A UV is formulated with an additive package used by customers for an optimised combination of organoleptic properties and opening torque.

This grade is not intended for use in medical or pharmaceutical applications.

#### Product Characteristics

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ISO
<b>Availability</b>	Europe, Africa-Middle East
<b>Processing Methods</b>	Compression Molding, Injection Molding
<b>Typical Customer Applications</b>	Caps & Closures, Collapsible Tubes

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density (23°C)	ISO 1183	0.954	g/cm <sup>3</sup>
Melt flow rate (MFR)	ISO 1133		
(190°C/2.16kg)		1.45	g/10 min
(190°C/5.0kg)		6.4	g/10 min
<b>Mechanical</b>			
Tensile Modulus	ISO 527-1, -2	1100	MPa
Tensile Stress at Yield	ISO 527-1, -2	22	MPa
Tensile Strain at Yield	ISO 527-1, -2	10	%
ESCR (Basell)	Basell Method	30	h
<i>Note: FNCT (Full Notch Creep Test), 6MPa, 2% Arkopal, 50°C</i>			
<b>Impact</b>			
Charpy notched impact strength	ISO 179		
(23 °C)		11	kJ/m <sup>2</sup>
(-30 °C)		4.5	kJ/m <sup>2</sup>
<b>Hardness</b>			
Shore hardness (Shore D)	ISO 868	55	
Ball indentation hardness (H 132/30)	ISO 2039-1	54	
<b>Thermal</b>			
Vicat softening temperature B/50	ISO 306	70	°C

#### Additional Properties

Recommended processing temperatures: 190°C to 230°C.

#### Notes

Typical properties; not to be construed as specifications.