

Technical Data Sheet

Hostalen ACP 6541A UV

High Density Polyethylene



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 medical and pharmaceutical applications.

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand; Europe; North America; South & Central America
Application	Caps & Closures; Collapsible Tubes
Market	Consumer Products; Rigid Packaging
Processing Method	Compression Molding; Injection Molding
Attribute	Good Organoleptic Properties; Good Toughness; High Density; High ESCR (Environmental Stress Cracking Resistance)

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate			
(190 °C/2.16 kg)	1.45	g/10 min	ISO 1133-1
(190 °C/5.0 kg)	6.4	g/10 min	ISO 1133-1
Density	0.954	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	1100	MPa	ISO 527-1, -2
Tensile Stress at Yield	22	MPa	ISO 527-1, -2
Tensile Strain at Yield	10	%	ISO 527-1, -2
FNCT, (6.0 MPa, 2% Arkopal N100, 50 °C)	30	hr	ISO 16770
Impact			
Charpy Impact Strength - Notched			
(23 °C)	11	kJ/m ²	ISO 179
(-30 °C)	4.5	kJ/m ²	ISO 179
Hardness			
Shore Hardness, (Shore D)	55		ISO 868
Ball Indentation Hardness	54	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature, (B50)	70	°C	ISO 306

