

Hostalen ACP 6541A UV

High Density Polyethylene

LyondellBasell Industries

Message:

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.

General Information			
Additive	Slip		
Features	Good Organoleptic Properties		
	High ESCR (Stress Crack Resist.)		
	High Flow		
	Slip		
Uses	Caps		
	Closures		
	Tubing		
Forms	Pellets		
Processing Method	Compression Molding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.954	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	1.5	g/10 min	
190°C/5.0 kg	6.4	g/10 min	
Environmental Stress-Cracking Resistance	30.0	hr	Internal Method
FNCT ¹ (50°C)	1.3	day	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	55		ISO 868
Ball Indentation Hardness (H 132/30)	54.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1100	MPa	ISO 527-2
Tensile Stress (Yield)	22.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179

-30°C	4.5	kJ/m ²	
23°C	11	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	70.0	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 230	°C	
NOTE			
1.	6 MPa, 2% Arkopal		

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