Hostalen ACP 6541A UV

High Density Polyethylene

LyondellBasell Industries

Technical Data

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.

General

Material Status	• Commercial: Active		
Literature [1]	• Processing - Mold Shrink (English) • Processing - PE Films (English) • Processing - Polyolefin Injection Molding Guide (English) • Technical Datasheet - ISO (English)		
Search for UL Yellow Card	• LyondellBasell Industries • Hostalen		
Availability	• Africa & Middle East	• Europe	
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/cm³	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 [3] (50°C)	1.3	day	Internal Method

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/m²	
23°C	11	kJ/m²	

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

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