

Cellidor CP 300-10

Cellulose Acetate Propionate

ALBIS PLASTIC GmbH

Message:

Cellidor CP 300-10 is a Cellulose Acetate Propionate (CAP) product. It is available in Asia Pacific, Europe, or North America. Typical application: Handles.

Characteristics include:

- REACH Compliant
- RoHS Compliant
- Plasticized
- Eco-Friendly/Green

General Information			
Additive	Plasticizer (10%)		
Features	Non-Phthalate Plasticizer		
	Renewable Resource Content		
Uses	Toothbrush Handles		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (210°C/2.16 kg)	5.00	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 132/30)	67.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1950	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	45.0	MPa	
Break	38.0	MPa	
Flexural Stress (3.5% Strain)	50.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	20	kJ/m²	
-30°C	8.0	kJ/m²	
Charpy Unnotched Impact Strength	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	92.0	°C	ISO 75-2/A
Vicat Softening Temperature	96.0	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	IEC 60093

Volume Resistivity	1.0E+18	ohms·cm	IEC 60093
Injection	Nominal Value	Unit	
Drying Temperature	60.0 to 90.0	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.15	%	
Processing (Melt) Temp	180 to 230	°C	
Mold Temperature	40.0 to 80.0	°C	

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