

Cellidor CP 300-18

Cellulose Acetate Propionate

ALBIS PLASTIC GmbH

Message:

Cellidor CP 300-18 is a cellulose acetate propionate (CAP) product. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region.

- Features include:
- flame retardant/rated flame
 - Comply with REACH standard
 - ROHS certification
 - environmental protection/green
 - plasticization

General Information			
Additive	Plasticizer (18)		
Features	Updatable resources		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (210°C/2.16 kg)	20.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 132/30)	70.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1300	MPa	ISO 527-2
Tensile Stress	28.0	MPa	ISO 527-2
Tensile Strain (Break)	40	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	30	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	75.0	°C	ISO 75-2/A
Vicat Softening Temperature	75.0	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+12	ohms	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.75 mm	HB		UL 94
1.5 mm	HB		UL 94
3.0 mm	HB		UL 94

Glow Wire Flammability Index			IEC 60695-2-12
1.0 mm	650	°C	IEC 60695-2-12
2.0 mm	650	°C	IEC 60695-2-12
3.0 mm	650	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature			
Dehumidification desiccant	50 - 80	°C	
Hot air dryer	50 - 80	°C	
Drying Time			
Dehumidification desiccant	2.0 - 4.0	hr	
Hot air dryer	1.0 - 2.0	hr	
Processing (Melt) Temp	180 - 230	°C	
Mold Temperature	40 - 80	°C	

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