

Cellidor CP 300-13

Cellulose Acetate Propionate

ALBIS PLASTIC GmbH

Message:

Cellidor CP 300-13 is a Cellulose Acetate Propionate (CAP) product. It is available in Asia Pacific, Europe, or North America.

Characteristics include:

REACH Compliant

RoHS Compliant

Plasticized

Eco-Friendly/Green

General Information			
Additive	Plasticizer (13%)		
Features	Non-Phthalate Plasticizer		
	Renewable Resource Content		
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)	10.0	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 132/30)	62.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1450	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	35.0	MPa	
Break	32.0	MPa	
Tensile Strain (Break)	40	%	ISO 527-2
Flexural Stress (3.5% Strain)	42.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	18	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	87.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	81.0	°C	ISO 75-2/A
Vicat Softening Temperature	86.0	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	IEC 60093
Volume Resistivity	1.0E+17	ohms·cm	IEC 60093

Injection	Nominal Value	Unit
Drying Temperature - Circulation Dryer	50.0 to 80.0	°C
Drying Time - Circulation Dryer	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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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

