

Cellidor CP 2825-11

Cellulose Acetate Propionate

ALBIS PLASTIC GmbH

Message:

Cellidor CP 2825-11 is a Cellulose Acetate Propionate (CAP) product. It is available in Asia Pacific, Europe, or North America. Applications of Cellidor CP 2825-11 include optics/lenses and sporting goods.

Characteristics include:

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

General Information			
Additive	Plasticizer		
	UV Stabilizer		
Features	High Flow		
	High Stiffness		
	Non-Phthalate Plasticizer		
	Renewable Resource Content		
	Ultra High Toughness		
Uses	Lenses		
	Sporting Goods		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (210°C/2.16 kg)	6.00	cm ³ /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	1800	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	37.0	MPa	
--	40.0	MPa	
Tensile Strain			ISO 527-2
Yield	4.0	%	
Break	14	%	
Flexural Modulus	1900	MPa	ISO 178

Flexural Stress			ISO 178
--	55.0	MPa	
3.5% Strain	50.0	MPa	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	20	kJ/m ²	
-40°C	4.0	kJ/m ²	
-20°C	6.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
--	No Break		
-40°C	No Break		
-20°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	100	°C	ISO 75-2/A
Vicat Softening Temperature	95.0	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.750 mm	HB		
1.50 mm	HB		
3.00 mm	HB		
Injection	Nominal Value	Unit	
Drying Temperature			
Circulation Dryer	50.0 to 70.0	°C	
Desiccant Dryer	50.0 to 70.0	°C	
Drying Time			
Circulation Dryer	2.0 to 4.0	hr	
Desiccant Dryer	1.0 to 2.0	hr	
Processing (Melt) Temp	190 to 235	°C	
Mold Temperature	40.0 to 80.0	°C	

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