

Cellidor CP 2810-11

Cellulose Acetate Propionate

ALBIS PLASTIC GmbH

Message:

Cellidor CP 2810-11 is a Cellulose Acetate Propionate (CAP) product. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Typical application: Sporting Goods.

Characteristics include:

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

General Information			
Additive	Plasticizer		
	UV Stabilizer		
Features	High Flow		
	High Stiffness		
	Non-Phthalate Plasticizer		
	Renewable Resource Content		
	Ultra High Toughness		
Uses	Sporting Goods		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (210°C/2.16 kg)	7.00	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 132/30)	65.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1500	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	40.0	MPa	
Break	35.0	MPa	
Tensile Strain			ISO 527-2
Yield	3.8	%	
Break	20	%	
Flexural Stress (3.5% Strain)	47.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength	18	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)	90.0	°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	
Processing (Melt) Temp	190 to 235	°C	
Mold Temperature	40.0 to 80.0	°C	

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