

Cellidor B 631-10

Cellulose Acetate Butyrate

ALBIS PLASTIC GmbH

Message:

Cellidor B 631-10 is a Cellulose Acetate Butyrate (CAB) product. It can be processed by extrusion or profile extrusion and is available in Asia Pacific, Europe, or North America. Typical application: Sporting Goods.

Characteristics include:

REACH Compliant

RoHS Compliant

Plasticized

Eco-Friendly/Green

General Information			
Additive	Plasticizer		
Features	Non-Phthalate Plasticizer		
	Renewable Resource Content		
Uses	Profiles		
	Sporting Goods		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Extrusion		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.19	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)	65.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1600	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	37.0	MPa	
Break	33.0	MPa	
Tensile Strain (Yield)	18	%	ISO 527-2
Flexural Stress (3.5% Strain)	47.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	18	kJ/m ²	
-30°C	7.0	kJ/m ²	

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	90.0	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+17	ohms·cm	IEC 60093
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	
Extrusion	Nominal Value	Unit	
Melt Temperature	190 to 235	°C	
Die Temperature	40.0 to 80.0	°C	

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