

Cellidor B 501-10

Cellulose Acetate Butyrate

ALBIS PLASTIC GmbH

Message:

Cellidor B 501-10 is a Cellulose Acetate Butyrate (CAB) product. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America.

Characteristics include:

- Flame Rated
- REACH Compliant
- RoHS Compliant
- Plasticized
- Chemical Resistant

General Information			
Additive	Plasticizer		
	Processing Aid		
Features	Good Chemical Resistance		
	Good Surface Finish		
	Good Weather Resistance		
	Non-Phthalate Plasticizer		
	Renewable Resource Content		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (210°C/2.16 kg)	9.00	cm³/10min	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	38.0	MPa	
--	37.0	MPa	
Tensile Strain			ISO 527-2
Yield	4.0	%	
Break	13	%	
Flexural Modulus	1650	MPa	ISO 178
Flexural Stress			ISO 178
--	46.0	MPa	

3.5% Strain	42.0	MPa	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
--	24	kJ/m ²	
-40°C	4.0	kJ/m ²	
-20°C	10	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)	85.0	°C	ISO 75-2/A
Vicat Softening Temperature	85.0	°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	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

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



WECHAT