

Cellidor CP 410-18

Cellulose Acetate Propionate

ALBIS PLASTIC GmbH

Message:

Cellidor CP 410-18 is a Cellulose Acetate Propionate (CAP) 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
- Eco-Friendly/Green

General Information			
Additive	Plasticizer		
	Processing Stabilizer		
Features	Non-Phthalate Plasticizer		
	Renewable Resource Content		
	Ultra High Toughness		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (210°C/2.16 kg)	20.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 132/30)	50.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1350	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	26.0	MPa	
--	26.0	MPa	
Tensile Strain			ISO 527-2
Yield	3.0	%	
Break	30	%	
Flexural Modulus	1250	MPa	ISO 178
Flexural Stress			ISO 178
--	30.0	MPa	
3.5% Strain	30.0	MPa	
Impact	Nominal Value	Unit	Test Method

Charpy Notched Impact Strength			ISO 179/1eA
--	35	kJ/m ²	
-40°C	10	kJ/m ²	
-20°C	17	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)	60.0	°C	ISO 75-2/A
Vicat Softening Temperature	70.0	°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	50.0 to 80.0	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	180 to 230	°C	
Mold Temperature	40.0 to 80.0	°C	

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