

Cellidor CP 410-10

Cellulose Acetate Propionate

ALBIS PLASTIC GmbH

Message:

Cellidor CP 410-10 is a Cellulose Acetate Propionate (CAP) product. It is available in Asia Pacific, Europe, or North America. Typical application: Engineering/Industrial Parts.

Characteristics include:

REACH Compliant

RoHS Compliant

Plasticized

Eco-Friendly/Green

General Information			
Additive	Plasticizer (10%)		
Features	Non-Phthalate Plasticizer		
	Renewable Resource Content		
Uses	Thick-walled Parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (210°C/2.16 kg)	6.00	cm³/10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 132/30)	62.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1800	MPa	ISO 527-2
Tensile Stress (Break)	43.0	MPa	ISO 527-2
Tensile Strain (Break)	30	%	ISO 527-2
Flexural Stress (3.5% Strain)	45.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	28	kJ/m²	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
Injection	Nominal Value	Unit	
Drying Temperature	60.0 to 90.0	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.15	%	
Processing (Melt) Temp	180 to 230	°C	

Mold Temperature	40.0 to 80.0	°C
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