

Generic CAB

Cellulose Acetate Butyrate

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic CAB
This information is provided for comparative purposes only.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16 - 1.21	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.40	%	ASTM D955
Water Absorption (23°C, 24 hr)	1.2 - 1.8	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (23°C)	40 - 79		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 23°C	15.9 - 43.0	MPa	ASTM D638
Fracture, 23°C	24.1 - 51.6	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	29 - 50	%	ASTM D638
Flexural Modulus (23°C)	827 - 1790	MPa	ASTM D790
Flexural Strength			
23°C	22.8 - 60.0	MPa	ASTM D790
23°C	24.0 - 56.0	MPa	ISO 178
Yield, 23°C	21.4 - 45.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	140 - 530	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, annealed	68.0 - 85.6	°C	ASTM D648
1.8 MPa, not annealed	51.7 - 85.6	°C	ASTM D648
1.8 MPa, annealed	52.0 - 74.3	°C	ASTM D648
Vicat Softening Temperature	87.6 - 116	°C	ASTM D1525
CLTE - Flow	1.8E-5 - 2.2E-5	cm/cm/°C	ASTM D696
Specific Heat (23°C)	1460 - 1470	J/kg/°C	ASTM C351
Injection	Nominal Value	Unit	
Processing (Melt) Temp	191 - 243	°C	
Mold Temperature	32.2 - 71.2	°C	
Injection instructions			

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