



Prospector

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Combined Data Sheet

Monday, May 05, 2008

Cellidor B 631-10 A

 Albis Plastic GmbH - *Cellulose Acetate Butyrate*
Unit System:

Actions

[Legend \(Open\)](#)


General Information

General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> Europe
Additive	<ul style="list-style-type: none"> Plasticizer
Forms	<ul style="list-style-type: none"> Pellets
Processing Method	<ul style="list-style-type: none"> Injection Molding

ASTM and ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1190	kg/m ³	ISO 1183 ²
Melt volume-flow rate	6.00	cm ³ /10min	ISO 1133 ²
Mechanical	Nominal Value	Unit	Test Method
Tensile modulus	1600	MPa	ISO 527-1, -2 ²
Yield stress	37.0	MPa	ISO 527-1, -2 ²
Tensile Strain (Yield)	4.3	%	ISO 527-1, -2 ²
Nominal strain at break	18.0	%	ISO 527-1, -2 ²
Impact	Nominal Value	Unit	Test Method
Charpy notched impact strength (23 °C)	18.0	kJ/m ²	ISO 179 /1eA ²
Charpy notched impact strength (-30 °C)	7.00	kJ/m ²	ISO 179 /1eA ²
Charpy impact strength (23 °C)	No Break		ISO 179 /1eU ²
Thermal	Nominal Value	Unit	Test Method
Temperature of Deflection Under Load (1.8 MPa)	90.0	°C	ISO 75-1, -2 ²
Vicat softening temperature (50°C/h 50N)	90.0	°C	ISO 306 ²
Electrical	Nominal Value	Unit	Test Method
Surface resistivity	1.0E+13	ohms	IEC 60093 ²
Volume resistivity	1.0E+13	ohm·m	IEC 60093 ²

Notes

¹ Typical properties: these are not to be construed as specifications.

² Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.


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The information presented on this data sheet was acquired by IDES from the producer of the material. IDES makes substantial efforts to assure the accuracy of this data. However, IDES assumes no responsibility for the data values and strongly encourages that upon final material selection, data points are validated with the material supplier.

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