

## Technical Data Sheet

# Glastic<sup>®</sup> CBC-503

### Typical characteristics

- Electrostatic discharge safe, optically sensible
- Dimensionally Stable

### Typical industries

- Elettronica

	Test method	Unit	Guideline value
<b>General properties</b>			
Standard Color			Light Gray
Chemical Resistance			Very Good
<b>Mechanical properties</b>			
Flexural Strength	ASTM D 790	psi	55,000
IZOD Impact Strength (notched)	ASTM D 256	ft. lb./in.	15
<b>Thermal properties</b>			
Thermal Conductivity	ASTM C 177		2.0
Coefficient of Thermal Expansion, parallel	ASTM D 696	10 <sup>-6</sup> K <sup>-1</sup>	7.1
Coefficient of Thermal Expansion, perpindicular	ASTM D 696	10 <sup>-6</sup> K <sup>-1</sup>	20.5
Glass Transition Temperature, T <sub>g</sub>	ASTM E 1356	°F	345
Thermal Decomposition Temperature @1% loss	ASTM E 1641	°F	440
Thermal Decomposition Temperature @5% loss	ASTM E 1641	°F	550
Thermal Decomposition Temperature @10% loss	ASTM E 1641	°F	622
Max Surface Operating Temperature		°F	572
Solder Heat Resistance 10 min. @500°F			Pass
<b>Flame resistance properties</b>			
UL Subject 94	UL 94		HB
<b>Physical properties</b>			
Water Absorption	ASTM D 570	% by wt.	<0.2
Specific Gravity	ASTM D 792		1.84
Barcol Hardness	ASTM D 2583		77
<b>ESD properties</b>			



	Test method	Unit	Guideline value
Surface Resistivity	ASTM D 4496	Ω/square	10 <sup>5</sup> - 10 <sup>9</sup>
Volume Resistivity	ASTM D 4496	Ω/square	10 <sup>5</sup> - 10 <sup>9</sup>
ESD Safe			Yes

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Print: 27/07/2024 • Release: 20/09/2023 • Version: 1.0  
PIM-Version: 37 • PIM-ID: 715311 • PIM-Code: 37-23-7.7-8-6

