

## Technical Data Sheet

# Glastic<sup>®</sup> CBC-503

### Typical characteristics

- Electrostatic discharge safe, optically sensible
- Dimensionally Stable

### Typical industries

- Electronics

	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, perpendicular	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	$\Omega$ /square	$10^5 - 10^9$
Volume Resistivity	ASTM D 4496	$\Omega$ /square	$10^5 - 10^9$
ESD Safe			Yes

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#### Röchling Industrial Cleveland, LP

4321 Glenridge Road • 44121 Cleveland/United States (US) • Tel. +1 216 486-0100  
info@glastic.com • www.roechling.com/cleveland

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