

## Technisches Datenblatt

# Glastic® CBC-501

### Typische Eigenschaften

- Non-conductive
- Dimensionally Stable

### Typische Industrien

- Elektronik

	Testverfahren	Einheit	Wert
<b>Allgemeine Eigenschaften</b>			
Standard Color			Deep Blue
Chemical Resistance			Very Good
<b>Mechanische Eigenschaften</b>			
Flexural Strength	ASTM D 790	psi	55,000
IZOD Impact Strength (notched)	ASTM D 256	ft. lb./in.	15
<b>Thermische Eigenschaften</b>			
Wärmeleitfähigkeit	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>Flamm Eigenschaften</b>			
UL Subject 94	UL 94		HB
<b>Physikalische Eigenschaften</b>			
Water Absorption	ASTM D 570	% by wt.	<0.2
Specific Gravity	ASTM D 792		1.84
Barcol Hardness	ASTM D 2583		90
<b>ESD properties</b>			



	Testverfahren	Einheit	Wert
Surface Resistivity	ASTM D 4496	Ω/square	10 <sup>14</sup>
Volume Resistivity	ASTM D 4496	Ω/square	10 <sup>14</sup>
ESD Safe			No

All of the information, suggestions, and recommendations pertaining to the properties and uses of the Röchling Glastic Composites products described herein are based upon tests and data believed to be accurate; however, the final determination regarding the suitability of any material described herein for the use contemplated, the manner of such use, and whether the use infringes any patents is the sole responsibility of the user. THERE IS NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Under no circumstances shall we be liable for incidental or consequential loss or damage. Glastic® is a registered trademark of Röchling Glastic Composites. UL® is a registered trademark of Underwriters Laboratories, Inc.



**Röchling Industrial Cleveland, LP**

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

Print: 27/07/2024 • Release: 20/09/2023 • Version: 1.0  
 PIM-Version: 39 • PIM-ID: 715309 • PIM-Code: 39-23-6.7-8-6

