

# Grade T-160

## High-Strength GPO-1

- 160° C Mechanical Thermal Endurance
- 25,000 Psi Flexural Strength at 160° C
- NEMA grade GPO-1

Grade T-160 is a totally new, high-strength, heat-resistant laminate from Glastic. This highly creep-resistant material is excellent for applications where electrically insulating materials are subject to physical loading and moderately high temperature.

General Information	Procedure	English Units	Typical Values	Metric Units	Typical Values
Part Number			1360		1360
NEMA Grade			GPO-1		GPO-1
Standard Color			Natural		Natural
<b>Mechanical Properties</b>					
Tensile Strength	ASTM D 638	Psi	14,000	Mpa	96.5
Flexural Strength	ASTM D 790	Psi	29,000	Mpa	200
Flexural Strength @ 130° C	ASTM D 790	Psi x 10 <sup>6</sup>	25,000	Mpa	165.5
Compressive Strength	ASTM D 695	Psi	56,000	Mpa	386.1
Bond Strength	ASTM D 229	Psi	1,790	Mpa	12.3
IZOD Impact Strength	ASTM D 256	Ft.lb./in.	12.0	J/cm	6.4
<b>Electrical Properties</b>					
Electric Strength-Perpendicular in Air	ASTM D 149	Vpm	500	kV/mm	19.6
Electric Strength-Perpendicular in Oil	ASTM D 149	Vpm	412	kV/mm	16.2
Electric Strength-Parallel as rec'd.	ASTM D 149	kV	40	kV	40
Electric Strength-Parallel 48/50	ASTM D 149	kV	15	kV	15
Arc Resistance	ASTM D 495	Seconds	140	Seconds	140
<b>Physical Properties</b>					
Water Absorption	ASTM D 570	% by wt.	0.3	% by wt.	0.3
Specific Gravity	ASTM D 792		1.9		1.9
Flame Resistance	UL 94		HB		HB



### GLASTIC CORPORATION

4321 Glenridge Road | Cleveland, OH 44121-2891 | phone 216-486-0100 | toll free 800-360-1319 | fax 216-486-1091 | [www.glastic.com](http://www.glastic.com)

All of the information, suggestions, and recommendations pertaining to the properties and uses of the Glastic 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 Glastic Corporation. UL® is a registered trademark of Underwriters Laboratories, Inc. ©2002 Glastic Corporation. All Rights Reserved. Printed in USA GL-T160 0602