



Custom Castings Northeast, Inc.

267 Pinetop Road, Bigler, PA 16825 814-857-1766 or 814-857-1768 (fax)

Material Characteristics- GFRC

A. Material Characteristics

- | | |
|--|---|
| a. Shell Thickness | $\frac{1}{2}$ " (field area)
$\frac{3}{4}$ " (attachment pts) |
| b. Weight (depending on reinforcement) | 5.25 lb.sq. feet at $\frac{1}{2}$ " thickness
Weight varies due to thickness |
| c. Compressive strength | 5400 psi +/- 10% (ASTM C109) |
| d. Flammability | Class I (ASTM E84) |
| e. Flexural Strength | 1354 psi +/- 10% (ASTM 78) |

(Testing done February 26, 2008 at Penn State University Testing Labs)

B. Tolerances (Fabrication)

- | | |
|-------------------------------|-------------------------------------|
| a. Dimensional all directions | +/- 3/16 at 10' |
| b. Thickness, skin | 1/2", +/- 1/8" |
| c. Warpage or bowing | +/- 1/8" across the diagonal at 10' |

Related Materials

- A. Embedded steel frame system and anchors to be fastened or welded to a prefabricated frame reproduced in accordance with approved shop drawings.
- B. Steel framing shall be of materials and workmanship equal to the requirements of AISC, AISI, and Metal Lath Steel Framing Association for light gauge steel frame members.
- C. Steel frame members shall be as specified by manufacturer for this particular application.
- D. Joint treatment materials:
 - a. Joint materials to be recommended by the manufacturer.
- E. Miscellaneous materials:
 - a. General: Provide auxiliary materials of types and grades recommended by manufacturer for work.