
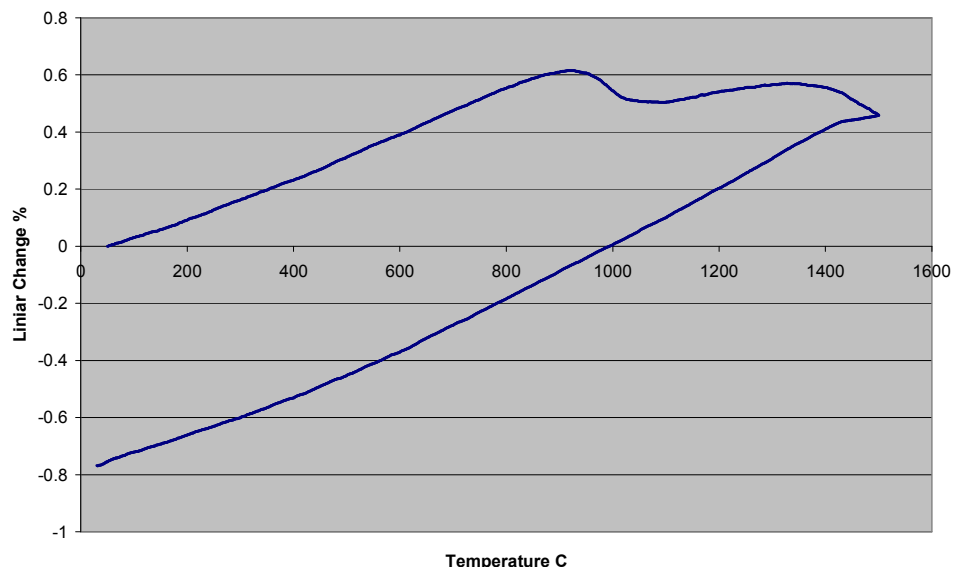


**Emhart Glass 350 - Material Technical Data Sheet**

|  |   |  |                                    |              |
|--|---|--|------------------------------------|--------------|
| <b>Mix ID:</b>   | <b>350</b>  |  |                                    |              |
| <b>Mix Name:</b>   | <b>LC-95</b>  |  |                                    |              |
| <b>Type:</b>   | <b>Cast</b>   |  |                                    |              |
| <b>Application:</b>  | Pouring cups for metal production, transition ceramics in pressure pouring, tubes, induction melting crucibles, and burner blocks. For application where high purity refractory is required. Good thermal shock resistance. |  |                                    |              |
| <b>Typicals:</b>   | <b>Porosity:</b>  | <b>18%</b>                               | <b>Chemistry:</b>                  | <b>Wt.%</b>  |
|  <p>REFRACTORY<br/>PRODUCTS</p> | <b>Density:</b>   | <b>2.90 g/cc</b>                         | <b>Al<sub>2</sub>O<sub>3</sub></b> | <b>94.21</b> |
|  | <b>Apparent Specific Gravity:</b>   | <b>3.7 g/cc</b>                          | <b>SiO<sub>2</sub></b>             | <b>4.39</b>  |
|  | <b>MOR:</b>   | <b>5900 psi</b>                          | <b>ZrO<sub>2</sub></b>             | <b>N/A</b>   |
|  | <b>PCE:</b>   | <b>39</b>                                | <b>Fe<sub>2</sub>O<sub>3</sub></b> | <b>.086</b>  |
|  | <b>Linear Thermal Expansion:</b>  | <b>6.92 x 10<sup>-6</sup> (in/in/°C)</b> | <b>NaO</b>                         | <b>.162</b>  |
|  |   |  | <b>CaO</b>                         | <b>.008</b>  |
|  |   |  | <b>MgO</b>                         | <b>.012</b>  |
|  |   |  | <b>TiO<sub>2</sub></b>             | <b>.05</b>   |
|  |   |  | <b>Other</b>                       | <b>1.082</b> |

**Thermal Expansion LC-95 350**



All data is subject to reasonable deviations and not to be used for specification purposes.