
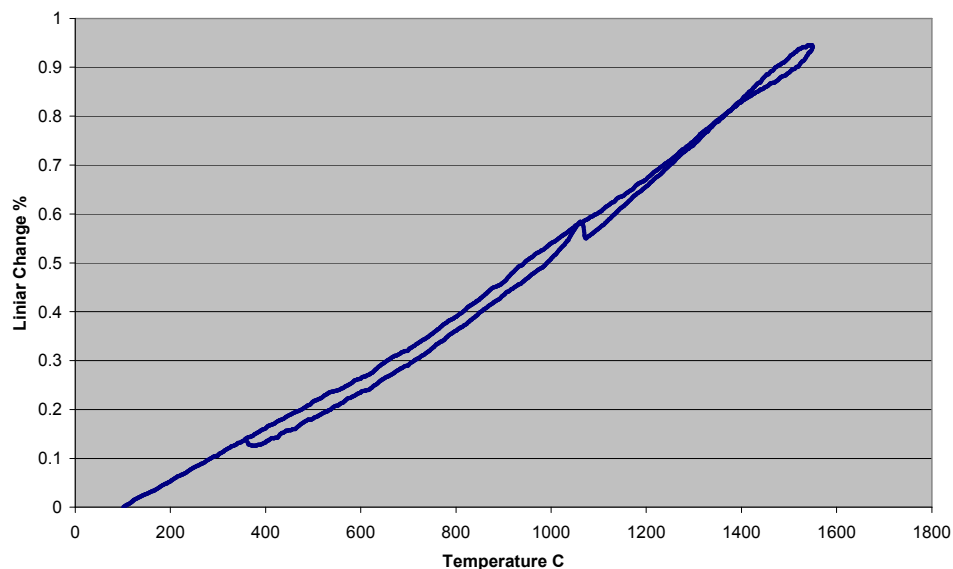


**Emhart Glass 315 - Material Technical Data Sheet**

<b>Mix ID:</b>	<b>315</b>			
<b>Mix Name:</b>	<b>Zalac</b>			
<b>Type:</b>	<b>Cast</b>			
<b>Application:</b>	Expendables used for glass container production. Burner blocks and other special shapes where superior refractory material is required. Excellent thermal shock resistance and high corrosion resistance.			
<b>Typicals:</b>	<b>Porosity:</b>	<b>19%</b>	<b>Chemistry:</b>	<b>Wt. %</b>
 <p>REFRACTORY PRODUCTS</p>	<b>Density:</b>	<b>3.1 g/cc</b>	<b>Al<sub>2</sub>O<sub>3</sub></b>	<b>69.0</b>
			<b>SiO<sub>2</sub></b>	<b>10.7</b>
	<b>Apparent Specific Gravity:</b>	<b>3.8 g/cc</b>	<b>ZrO<sub>2</sub></b>	<b>20.0</b>
			<b>Fe<sub>2</sub>O<sub>3</sub></b>	<b>N/A</b>
	<b>MOR:</b>	<b>3100 psi</b>	<b>NaO</b>	<b>N/A</b>
			<b>CaO</b>	<b>N/A</b>
	<b>PCE:</b>	<b>34</b>	<b>MgO</b>	<b>N/A</b>
			<b>TiO<sub>2</sub></b>	<b>N/A</b>
	<b>Linear Thermal Expansion:</b>	<b>6.1 x 10<sup>-6</sup> (in/in/°C)</b>	<b>Other</b>	<b>.3</b>

**Thermal Expansion Zalac 315**



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