
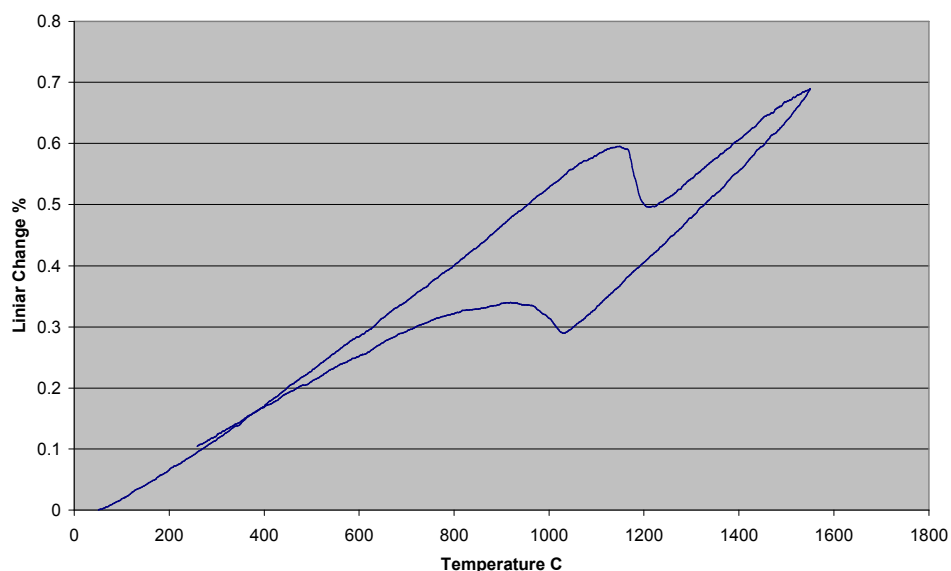


Emhart Glass 300 - Material Technical Data Sheet

Mix ID:	300			
Mix Name:	Phoenix VC-77			
Type:	Cast			
Application:	Induction melting crucibles, transition ceramics in pressure pouring, tubes, mandrels for Danner tubing process, glass house pots and expendables, snorkels for continuous casters. For applications where heat shock is severe. Excellent resistance to glass corrosion.			
Typicals:	Porosity:	23%	Chemistry:	Wt.%
	Density:	2.6 g/cc	Al₂O₃	56.9
	Apparent Specific Gravity:	3.4 g/cc	SiO₂	22.2
	MOR:	1800 psi	ZrO₂	19.8
	PCE:	33	Fe₂O₃	.50
	Linear Thermal Expansion:	5.1 x 10⁻⁶ (in/in/°C)	NaO	N/A
			CaO	.03
			MgO	.02
			TiO₂	.30
			Other	.25

Thermal Expansion 300



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