


Emhart Glass 395 - Material Technical Data Sheet

Mix ID:	395			
Mix Name:				
Type:	Cast			
Application:	Withstands extreme thermal gradients without thermal stress failure due to a low coefficient of thermal expansion. Abrasion restive wear surface; extremely flat tables, excellent for glass contact, but not glass melting environment. High compressive and tensile strength in temperature range 1500 to 2000 °F (816 to 1093 °C). Excellent thermal insulator with high emissivity. Chemically Bonded.			
Typicals:	Porosity:	13%	Chemistry:	Wt.%
				
	Density:	1.9 g/cc	Al₂O₃	4.7
			SiO₂	85.5
	Cold Crushing Strength:	12,000 psi	SiC	6.6
			Fe₂O₃	.2
	MOR:	1400 psi	NaO	N/A
			CaO	2.7
	Maximum Use Temperature:	2500°F 1371°C	MgO	N/A
			TiO₂	N/A
	Linear Thermal Expansion:	< 0.2 %	Other	.3
Thermal Conductivity:	~ 5.0 BTU In./Hr.Ft.²°F			

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