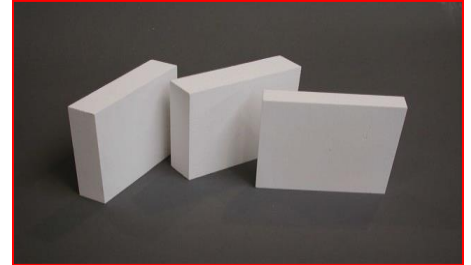


## ALURATH M70

### Pressed Mullite Bricks and Plates

**ALURATH** mullite based pressed formulations offer high density, low porosity, good hot strength and good sag resistance. These grades are specified for high temperature, high load applications. **ALURATH** is available in many brick and plate sizes as well as custom shapes.



Properties		ALURATH GRADE				
		M701	M702	M703	M704	
Density	lbs/ft <sup>3</sup> (g/cm <sup>3</sup> )	162 (2.6)	153 (2.45)	162 (2.6)	156 (2.5)	
Apparent Porosity	%	15%	18.5	17	18	
Cold Crushing Strength	Kpsi	18.8	11.6	11.6	6.6	
	MPa	130	80	80	45	
Refractoriness under load, DIN 51053 ta °F	°F	> 2912	TBD	TBD	> 2912	
Creep Load 0.2Mpa (28.4Psi) Temp. 1500°C (2732°F)	e25[%]	TBD	TBD	TBD	0.18	
	s25-15[%]				0.01	
Thermal Shock Resistance DIN51068-1 Quench with water	Cycles	6	11	14	> 100	
Hot Flexural Strength	Psi(MPa)					
		@ 1200°C (2192°F)	3350 (23)	TBD	TBD	2180 (15)
		@ 1400°C (2552°F)	1600 (11)			1165 (8)
		@ 1500°C (2732°F)				870 (6)

*The test data shown are based on average results on production samples and are subject to normal variation on individual tests. The test data cannot be taken as minimum or maximum values for specification purposes. ASTM test procedures used when applicable.*