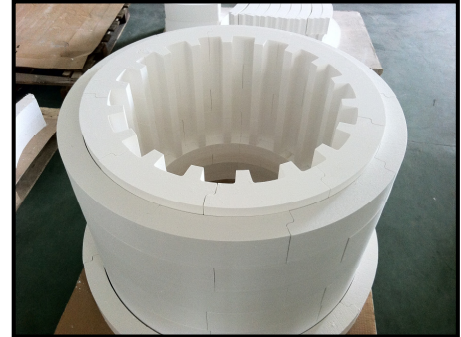




(MAFTEC FIBER BASE) High Temperature Boards

Technical Data Sheet



Properties	Units	1600M Board	1700M Board	1800M Board	1900M Board	
Max Service temperature	(°C)	1600	1700	1800	1900	
	(°F)	2912	3092	3272	3452	
Service temperature	(°C)	1500	1600	1700	1750	
	(°F)	2732	2912	3092	3182	
Bulk density	lbs/ft ³	25	22	25	44	
	(Kg/m ³)	(400)	(350)	(400)	(700)	
Rupture strength	(MPa)	0.9	1.0	1.1	1.3	
Linear shrinkage	% @ 8 hrs	0.20	0.30	0.10	0.03	
		1500°C	1600°C	1700°C	1750°C	
Thermal conductivity	(W/m-K) ※					
		1472°F (800°C)	0.16	0.15	0.20	0.22
		1832°F (1000°C)	0.20	0.19	0.23	0.26
		2192°F (1200°C)	0.24	0.25	0.29	0.31
Chemical composition	(%) ※					
		Al ₂ O ₃	64	75	75	87
		SiO ₂	34	24	24	12.5

Standard Board Sizes: Thickness 1" (25mm) , 2" (50mm)
 Width 23.6" (600mm)
 Width 39.4" (1,000mm)

Packaging: 1" (25mm) – 4 pieces / ctn – 6.45 sq.ft. / piece
 2" (50mm) – 2 pieces / ctn – 6.45 sq.ft. / piece / sheet

Phone: 419-307-2184
 Email: pauljthibodeau@aol.com
 Web: www.cardinalrefractories.com

