

TECHNICAL DATA SHEET

ACID RESISTANT TILES

Description	Datasheet	Unit	Testing Results	
PHYSICAL PROPERTY				
Bulk Density	2.20 Minimum	kg/cm ³	2.2	2.21
Water Absorption	2.00 Maximum	%	1.23	1.06
Flexural Strength	100 Minimum	kg/cm ²	208	229
Cold Crushing Strength	700 Minimum	kg/cm ²	981	1171
Thermal Shock Resistance	>17 cycles (450 C)	-	>100	>100
Thermal Conductivity	1.15	w/mo K at 400 C	-	-
Acid solubility	3.00 Maximum	%	1.29	1.83
CHEMICAL PROPERTY				
- Al ₂ O ₃	20 to 25	%	23.5	23.6
- SiO ₂	65 to 70	%	66.4	66.4
- Fe ₂ O ₃	2.00 Max	%	0.7	0.7
- TiO ₂	1.00 Max	%	0.71	0.64
- K ₂ O + Na ₂ O	3.00 Max	%	2.74	2.15

AS PER IS-4860

DIMENSIONS	REFERENCE SIZE	ALLOWED TOLERANCE
LENGTH	230 MM	±3.5 MM
WIDTH	115 MM	±2.0 MM
THICKNESS	38 MM	±1.0 MM

All recommendations for use of our products, whether given by us in writing, verbally, or to be implied from the results of tests carried out by us are based on the current state of our knowledge. Although the information contained in this sheet is accurate to the best of our knowledge, no liability can be accepted in respect of such information and no warranty or conditions are intended in respect of the product described as the conditions of application are beyond our control.

For Technical/Trade Inquiry

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