ceram Tellus
Matériaux Réfractaires

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Product Definition

Insulating Bricks and Slabs

Product : **TR26-09**

Other names : 26-140, HR 140, RI26

Maximum Classified Temperature : **1 400 °C** Mark on the brick * : TR26-09

Description : Low Iron content, Fired kaolinite

Ref-date :	2007-C
Brand Code :	8807

Properties :		Standards	Units	Average μ	Std. Dev. s	Limits Ti (lower)	Limits Ts (upper)
Classification :		ISO 2245		140			
Classification :		ASTM C155		26			
Bulk Density :		ISO 5016	g/cm³	0.87	0.02		1
Cold Crushing Strength : (// to extrusion or perpendicular to pressing direction)		ISO 8895	MPa	4.7	0.6	3	
Permanent Linear Change : 12h at 1400°C		ISO 2477	%	-0.6		-1.8	
Chemical Analysis :		XRF	%				
	Al_2O_3			40		37	
	SiO_2			54			
	Fe_2O_3			1.2			1.6
	TiO_2			1.3			1.5
	CaO+MgO			0.6			0.9
	Na_2O+K_2O			2.6			3.8
Thermal Conductivity : (Through 114 mm dimension)		ASTM C182	W/m.K				
	200 °C			0.28			0.36
	400 °C			0.31			0.40
	600 °C			0.34			0.44
	800 °C			0.36			0.47
	1 000 °C			0.39			0.50
	1 200 °C			0.44			0.55
Reversible Thermal Expansion : (20°C to 1000°C)		NFB 40308	%	0.5			
Pyroscopic Cone Equivalent :		ISO 528	°C	1 730			

Dimensionnal tolerances:	Standard Pieces	Non Standard Pieces
Length	±0.5%, mini ±1.5mm	According accepted drawings
Width	±0.5%, mini ±1.5mm	
Thickness	±0.5%, mini ±1.5mm	
Squareness	1mm / 100mm	

Other Informations :	
Recommanded Mortar :	Heatset : C 1500 S or C 1500 H (S = Dry, H = Ready to use) Airset : RL 40 S or RL 40 H (S = Dry, H = Ready to use)
Manufacturing Plant :	LIBOS (F47500)

Physical properties are based on averages of routine quality controls carried out from bricks 230 x 114 x 64 mm or 230 x 114 x 76 mm.
Averages and standard deviations are indicative values, limits (Ti et Ts) are guaranteed values.
* The marking is not contractual.

Frequency, Sampling, Acceptation Methods are detailed in our C.T.C./Q.P.D. (Document n° 8030).