

Product Definition

Insulating Bricks and Slabs

Product :

TR26-12

Other names :

Ref-date : 2009-5

Maximum Classified Temperature : **1 400 °C** Mark on the brick * : TR26-12

Brand Code : 1155

Description : Insulating Bricks or Slabs based on refractory aggregates

Properties :	Standards	Units	Average μ	Std. Dev. s	Limits	
					Ti (lower)	Ts (upper)
Classification :	ISO 2245		140			
Classification :	ASTM C155		26			
Bulk Density :	ISO 5016	g/cm ³	1.22			1.32
Cold Crushing Strength : (// to extrusion or perpendicular to pressing direction)	ISO 8895	MPa	14		11	
Permanent Linear Change : 12h at 1400 °C	ISO 2477	%	-1		-2	
Chemical Analysis :	XRF	%				
	Al ₂ O ₃		41		38	
	SiO ₂		51			
	Fe ₂ O ₃		2			
	TiO ₂		1.2			
	CaO+MgO		2.2			
	Na ₂ O+K ₂ O		2.5			
Thermal Conductivity : (Through 114 mm dimension)	ASTM C182	W/m.K				
	200 °C		0.50			
	400 °C					
	600 °C		0.60			
	800 °C					
	1 000 °C		0.70			
	1 200 °C					
Reversible Thermal Expansion : (20 °C to 1000 °C)	NF B40 308	%	0.6			
Pyroscopic Cone Equivalent :	ISO 528	°C	1 730			

Dimensional tolerances:	Standard Pieces	Non Standard Pieces
	Length Width Thickness Squareness	±0.5%, mini ±1.5mm ±0.5%, mini ±1.5mm ±0.5%, mini ±1.5mm 1mm / 100mm

Other Informations :	
Recommended Mortar :	Airset : TH 1400 S or TH 1400 H Heatset : TC 1400 S ou TC 1400 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).