

IFB Refractories SAS

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Product Definition

Insulating Bricks & Slabs

Product : **26-145**

Other names : **HR 145, RL26**

Maximum Classified Temperature : **1450°C**

Mark on the brick : 26-145

Ref date : 2017-B

Brand Code : 8808

Description : Low density 26 class, resistant to high temperature

Properties :	Standards	Units	Average μ	Std. Dev. σ	Limits	
					TI (low)	Th (high)
Classification	ISO 2245		140L			
	ASTM C155		26			
Bulk density	ISO 5016	g/cm ³	0,78	0,04		0,9
Cold Crushing Strength (// to extrusion or et 90° to pressing direction)	ISO 8895	Mpa	2,8	0,5	2	
Permanent Linear Change 12h at 1450°C	ISO 2477	%	-0,6		-1,8	
Chemical Analysis :	XRF	%				
	Al ₂ O ₃		42		39	
	SiO ₂		52			
	Fe ₂ O ₃		1,1			1,4
	TiO ₂		0,6			1,2
	CaO+MgO		0,7			1
	Na ₂ O+K ₂ O		2,5			3,8
Thermal Conductivity :	ASTM C182	W/m.K				
(through 114mm dimension)	200°C		0,23			0,33
	400°C		0,25			0,35
	600°C		0,30			0,40
	800°C		0,32			0,42
	1000°C		0,36			0,48
	1200°C		0,39			0,54
Reversible Thermal Expansion : (20°C to 1000°C)	NF B40 308	%	0,47			
Pyroscopic Cone Equivalent :	ISO 528	°C	1730			

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

Other Information :		
Recommended mortar	C 1500S or H C : Heat set S : Dry / Powder	RL 40S or H RL : Air set H : Ready to Use
Manufacturing Plant	PRF : Bricks and slabs	

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 and Th) are guaranteed values.

Tests frequency, sampling, and acceptance values for our products are detailed in our C.T.C/Q.P.D. (Document n°8030)