

IFB Refractories SAS

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Product Definition

Insulating Bricks & Slabs

Product :

26-SP

Other names : **HR 26-140SP, 26-140SP**

Maximum Classified Temperature : **1400°C**

Mark on the brick : 26-SP

Ref date : 2017-B

Brand Code : 8860

Description : Very high performances at high temperature

Properties :	Standards	Units	Average μ	Std. Dev. σ	Limits	
					TI (low)	Th (high)
Classification	ISO 2245		140			
	ASTM C155		26			
Bulk density	ISO 5016	g/cm ³	0,81	0,04		0,92
Cold Crushing Strength (// to extrusion or et 90° to pressing direction)	ISO 8895	Mpa	3,5	0,4	2,4	
Permanent Linear Change 12h at 1400°C	ISO 2477	%	-1		-2	
Chemical Analysis :	XRF	%				
	Al ₂ O ₃		38		35	
	SiO ₂		56			
	Fe ₂ O ₃		1,3			1,6
	TiO ₂		1,1			1,5
	CaO+MgO		0,55			0,9
	Na ₂ O+K ₂ O		2,9			3,8
Thermal Conductivity :	ASTM C182	W/m.K				
(through 114mm dimension)	200°C		0,22			0,29
	400°C		0,27			0,34
	600°C		0,31			0,40
	800°C		0,33			0,42
	1000°C		0,35			0,46
	1200°C		0,38			0,48
Reversible Thermal Expansion : (20°C to 1000°C)	NF B40 308	%	0,5			
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 1400S or H C : Heat set S : Dry / Powder	RL 40S or H RL : Air set H : Ready to Use
Manufacturing Plant	PRF : Bricks only	

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)