

4.6 Insulating Brick: Grade IB-02

Essential properties and characteristics for grade IB-02 floor, side wall and crossover ins.		
Refractoriness Under Load T0.5 EN ISO 1893	°C	≥ 880
Cold Crushing Strength EN ISO 8895	MPa	≥ 1
Thermal Conductivity 200 °C ASTM C182-88	W/Mk	≤ 0.18
400		≤ 0.22
600		≤ 0.24
800		≤ 0.28
Permanent Linear Change 12 hours at 850°C EN 1094-6	%	-1 ≤ PLC ≤ 0
Bulk Density EN 1094-4	g/cm ³	≤ 0.6 ± 1
Total Porosity EN 1094-4	%	80
Thermal Expansion 20°C – 750°C EN 993-19	%	≤ 0.5
Classification Temperature EN 1094-2	°C	≥ 1100
Complete Chemical Analysis EN ISO 21587-2, EN ISO 21587-3, EN ISO 12677		
Al ₂ O ₃	wt%	12 _ 18
SiO ₂	wt%	53 _ 59
Fe ₂ O ₃	wt%	≤ 1
CaO	wt%	23 _ 29
MgO	wt%	
NaO+K ₂ O	wt%	
TiO ₂	wt%	

BOM 1005							
	No	Drawing No.		PCS	Quality	Type	Weight
FLOOR-INSULATION	501	ZN	236876	65117	IB-02	BB2-135	139,252 kg
	502	ZN	236868	70090	IB-02	BB1-124	112,986 kg

BOM 1005							
	No	Drawing No.		PCS	Quality	Type	Weight
CROSSOVER	531	ZN	236876	4364	IB-02	BB2-135	9,331 kg

261,569 kg

Quality	Type	PCS	Weight (Kg)
IB-02	BB2-135	74,448	148,583
IB-02	BB1-124	70,090	112,986
		144,538	261,569