

Sicacom

Sicatec 75/95 glued with Carbon block

simonsen®

Materials Properties		SICACOM					
		Carbon Block			Sicaglu	Sicatec 75	Sicatec 95
		A	B	C			
Apparent density, g/cm ³ <i>ISO 12985</i>		1.58	1.62	1.62		See SICATEC 75 DATASHEET	See SICATEC 95 DATASHEET
Total porosity, %		19.0	24.0	25.0			
Real density, g/cm ³ <i>ISO 21687</i>		1.95	2.15	2.18			
Compressive strength, MPa <i>ISO 18515</i>		32	28	22			
Flexural Strength, MPa <i>ISO 12986-1</i>		11	8	8			
Adhesive strength, MPa (110°C×24h)		-	-	-	9		
Electrical resistivity (20°C), μΩ.m <i>ISO 11713</i>		35	18	11.0			
Thermal expansion coefficient (20-200°C), ×10 ⁻⁶ .°C ⁻¹ <i>ISO 14420</i>		2.7	3.8	2.6			
Thermal conductivityw/(m.K) (20°C), <i>ISO 12987</i>		14	40	105			
Ash contents, % <i>ISO 8005</i>		3.0	2.0	0.35			
Graphite content, %		30	100	Graphitized			
SiC+C, %		-	-	-	87		
Tolerances	Width	±2.0					
	Length	±3.0					
	Thickness	±2.0			2±1.0		

Sicaglu – LIRRs adhesive for gluing the sidewall carbon blocks to Sicatec 75 and Sicatec 95
The values as per this datasheet are based upon typical, average test results.
No warranty or guarantee is implied on the data, which are given in good faith.

Producer:

LIRR

SINOSTEEL LUOYANG INSTITUTE OF REFRACTORIES RESEARCH Co., Ltd.

Luoyang, Henan Province

P.R. of China

An ISO-9001, ISO-14001:2004

and OHSAS 18001:2007 certified company



Producer:

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