

INSULATING CASTABLES (PERLITE BASED)



CUMICRETE

Light Weight

CHARACTERISTICS	UNIT	CUMICRETE CIP 103	CUMICRETE CIP M 83 HS
Maximum Service Temperature	°C	1300	1300
Maximum Grain Size	mm	6	5
Bulk Density Dried at 110°C/ 24 hrs	gm/ cc,max	0.90	1.50
Cold Crushing Strength	Kg/ cm ²		
Dried at 110°C/ 24 hrs	min.	25	150
Fired at 800°C/ 3 hrs	min.	20	100 at 1100°C/ 3 hrs
Fired at 1300°C/ 3 hrs	min.	30	100
Permanent Linear Change	% max.		
Fired at 800°C/ 3 hrs		+/- 0.3	± 0.5 at 1100°C/ 3 hrs
Fired at 1300°C/ 3 hrs		+/- 1.0	± 0.8
Thermal Conductivity	W/ m ² K		
Hot Face at 500°C	max.	0.23	0.46
Hot Face at 800°C	max.	0.27	0.52
Hot Face at 1000°C	max.	0.30	0.55
Recommended Water Addition (By wt.)	%	35 - 50	25 - 35
Chemical Analysis	%		
Al ₂ O ₃	min.	40.0	42.0
SiO ₂	max.	52.0	25.0
Fe ₂ O ₃	max.	1.00	4.50

Shelf Life : 9 months from the date of manufacture

Packing : In 25 Kg LDPE lined HDPE bags

Note : Water requirements indicated are based on laboratory test conditions.

Actual water requirement may vary subject to site conditions.

The properties shown are for vibratory cast material only unless specified otherwise.



CARBORUNDUM UNIVERSAL LIMITED

SUPER REFRACTORIES



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