

MATERIAL DATA SHEET

Material description:

PROMATON®-28 are lightweight refractory bricks based on the raw materials Al_2O_3 , SiO_2 . They are produced by using finest burning-out material by casting or slinger process, fired in modern furnaces and finally catted to normal or special bricks.

Specifications:

Designation and type:	PROMATON®-28		
Classification temperature:	1540	°C	
Bulk density:	900	kg/m ³	
Cold crushing strength:	3,0	MPa	
Shrinkage at 1510 °C / 24 h:	0,7	%	
Reversible thermal expansion (20-1000 °C):	0,65	%	
Thermal conductivity at:	400 °C	0,33	W/m.K
	600 °C	0,34	W/m.K
	800 °C	0,36	W/m.K
	1000 °C	0,40	W/m.K
	1200 °C	0,45	W/m.K
Chemical analysis:	Al_2O_3	65	%
	SiO_2	30	%
	Fe_2O_3	0,9	%
	alkaline	1,0	%
Tolerances:	for dimensions	± 1	mm
	for bulk density	± 10	%

All details correspond to the state of technology and have been described to the best of our knowledge. Changes on the base of new results are possible. Data in material data sheet are higher priority, that data in catalogue.

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