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HEGGEL Brick

Acid-Resistant Ceramic Bricks

Chemical Composition	
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Al₂O₃	26 %
SiO₂	69 %
Fe₂O₃	1,4 %
Na₂O +K₂O	3,4 %
TiO₂	0,7 %

Physical Characteristic	Values
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Bulk density ASTM C20	2,16 g/cm ³
Water absorption ASTM C20	6 %
Apparent porosity ASTM C20	13 %
Cold crushing strength DIN 51067	80 N/mm ²
Bending strength EN 993-15	13 N/mm ²
Fire resistance EN 993-12	17 CS; SC; CS
Thermal shock resistance DIN 51068	> 17 (450°C) Zyklen
Thermal expansion EN 993-19	0,4 (1000°C) %
Acid solubility EN 993-16	< 1,5 %
Thermal conductivity EN 993-15	400°C: 1,12 600°C: 1,44
Dimensional tolerance DIN 1057-2	≤ 133 mm: ± 2 mm > 133 mm: ± 1,5%

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HEGGEL GmbH
Huttropstr. 60
45138 Essen
Germany
Tel: +49 201 17003 270
Fax: +49 201 17003 1899
E-Mail: info@heggel.de
Web: www.heggel.de