



CARBON BRICK

PRODUCT INFORMATION

The STEBBINS Engineering and Manufacturing Company
Watertown, NY USA
<http://www.StebbinsEng.com>

DESCRIPTION

Carbon Brick is a pressed acid resistant brick that meets ASTM C1160 specifications. This is a chemical grade Carbon Brick, designed for a wide variety of acidic and alkaline chemical processes where fireclay is susceptible to attack. Features of the Carbon Brick include excellent chemical resistance, superior thermal shock and spall resistance.

TYPICAL PHYSICAL PROPERTIES

Physical State	Solid
Composition	Carbon
Color	Black
Density	103 lb./ft ³ (1650 kg/m ³)
Water Absorption, %	<10%
Cold Crushing Strength	6000 psi (41 MPa), minimum
Flexural Strength	1800 psi (12.5 MPa), minimum
Coefficient of Thermal Expansion	1.2 x 10 ⁻⁶ in. / in. / °F (2.2 x 10 ⁻⁶ mm/mm/°C)

Note: with enhanced manufacturing processing, additional strength can be achieved for special project requirements

COMPONENT PACKAGING

STEBBINS' Carbon Brick can be custom cut to any specified shape.

STORAGE

The brick should be dry before use. Optimal storage is a dry, clean area.

SAFETY PRECAUTIONS/DISCLAIMER

Mixes and applications of this product present a number of hazards. The buyer and user must read and follow the hazard information, precautions and first aid directions on the individual product labels and safety data sheets before using.

All data contained in this Product Information sheet are averaged results of ASTM tests on laboratory prepared samples. Reasonable variations can be expected. The data should not be used for specification purposes.

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