



# PRODUCT DATA

**Brand Name:** ALUTAB®

**Description:** ALUTAB® is a high purity, 85% alumina mortar compatible with 70%, 80%, and 90% alumina brick. It is designed for use under the most severe conditions where high refractoriness, good bond strength, and resistance to attack by molten metal and slag are the prime requirements. It is air-setting with a 3400°F service temperature limit.

Physical properties shown are average values of samples taken under controlled conditions  
ASTM test methods used where applicable

**Maximum Service Temperature: 3400°F (1871°C)**

**Typical Water Required for Consistency (by weight) :**

Troweling	20.5 - 22.5 %
Dipping	32.5 - 35.0 %

**Material Required:**

To Lay 1000 9" Straight Brick 450 - 500 lbs.

**Modulus of Rupture (psi) :**

After 220°F (105°C)	1000	(70 kg/cm <sup>2</sup> )
After 1500°F (814°C)	350	(25 kg/cm <sup>2</sup> )
After 2550°F (1400°C)	750	(53 kg/cm <sup>2</sup> )
After 3000°F (1649°C)	750	(53 kg/cm <sup>2</sup> )

**Typical Chemical Analysis (%)**

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	86.9
Silica (SiO <sub>2</sub> ) .....	10.3
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.1
Titania (TiO <sub>2</sub> ) .....	0.3
Lime (CaO) .....	0.1
Magnesia (MgO) .....	0.1
Alkalis (Na <sub>2</sub> O+K <sub>2</sub> O) .....	2.2

**Standard Packaging:** 55 lb. bag. 72 bags per pallet

Brand Code: 0768

The properties shown on this data sheet represent typical average results using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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