



# Low Cement Castables

## Cast Data

### QUIKTURN 99VC (TL0420)

**QUIKTURN 99VC (TL0420)** is a ultralow-cement, high purity alumina castable designed to provide maximum resistance to high temperatures. QUIKTURN 99VC is formulated to be installed by vibration casting methods only. After the final set, this unique castable can be heated without the traditional ramp-and-hold heating schedule.

**% Water Added to Cast:** 6.5% by wgt (typical)

**Maximum Service Temperature:** 3400°F (1870°C)

**Bulk Density:**  
After 2910°F (1600°C): 188 lbs/ft<sup>3</sup> (3008 kg/m<sup>3</sup>)

**Apparent Porosity**  
After 2910°F (1600°C): 19%

**Modulus of Rupture:**  
After 2910°F (1600°C): 2000- 3000 psi (140-210 kg/cm<sup>2</sup>)

**Permanent Linear Change (%):**  
After 2910°F (1600°C): 0.0 to -0.3

#### **Typical Chemical Analysis (%):**

Al <sub>2</sub> O	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	Others
99.1	Tr	Tr	0.8	0.1

**Standard Packaging:** 72-55 lb. bags per pallet. Bulk packaging available

The properties shown on this data sheet represent typical average results generated 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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