



## Low Cement Castables

### Cast Data

#### QUIKTURN 85ULM

(formerly TL 0510)

**QUIKTURN 85ULM** is an ultra-low cement, high alumina castable designed to have maximum slag and hot metal resistance for use in LMF ladles and other steel-making applications. This product should be installed by vibration casting methods only. After final set, this unique castable can be heated without the traditional controlled heating schedule.

**Maximum Service Temperature:** 3200°F (1760°C)

**Bulk Density:**

After 220°F (105°C): 174 lbs/ft<sup>3</sup> (2784 kg/m<sup>3</sup>)

After 1500°F (815°C): 171 lbs/ft<sup>3</sup> (2736 kg/m<sup>3</sup>)

**Cold Crushing Strength:**

After 1500°F (815°C): 6000- 12,000 psi (420-840 kg/cm<sup>2</sup>)

**Modulus of Rupture:**

After 2910°F (1600°C): 2000- 2500 psi (140-175 kg/cm<sup>2</sup>)

**Permanent Linear Change (%):**

After 1500°F (815°C): 0.0 to -0.3

After 2910°F (1600°C): +0.5 to +2.0

**Typical Chemical Analysis (%):**

Al <sub>2</sub> O	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	CaO	Alkalies
80.7	15.0	0.9	2.4	0.6	0.1

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

The data shown are based on average results on production samples and are subject to normal variation on individual tests. ASTM test procedures are used when applicable.

The data shown should not be used for specification purposes.

9/25/2007 is the date that this data sheet was published.

Check with your RESCO sales office to make sure you have a current data sheet.

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