



# PRODUCT DATA

Brand Name: **SICTERM 880 CAST**

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

Maximum Service Temperature: 3000°F (1650°C)

**Bulk Density (pcf)**

As Received 156 - 163 (2.50 - 2.60 g/cm<sup>3</sup>)

**Modulus of Rupture (psi)**

At 70°F (21°C) 2470 - 3625 (173 - 254 kg/cm<sup>2</sup>)

**Cold Crushing Strength (psi)**

At 70°F (21°C) 13050 - 18835 (914 - 1318 kg/cm<sup>2</sup>)

**Apparent Porosity (%)**

As Received 15 - 19

**Thermal Conductivity (K Factor)**

Mean Temperature	BTU/ft <sup>2</sup> /hr./°F/inch	W/mK
2200°F (1200°C)	108.9	15.7

**Typical Chemical Analysis (%)**

(Calcined Basis)

Silicon Carbide (SiC) .....	90.0
Silica (SiO <sub>2</sub> ) .....	8.0
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	1.0
Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	1.0

Brand Code: 4422

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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02/14/17 is the date that this data sheet was updated. Check with your RESKO sales representative or RESKO website to determine you have the current sheet.

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