



PRODUCT DATA

Brand Name: **Mighty Fibre SiC**

Description: MIGHTY FIBRE SiC is a precast shape made with a castable-bonded metallic fiber composite for added strength and spalling resistance. MIGHTY FIBRE SiC precast shapes can be used in applications where mechanical abuse and thermal cycling are normal operating conditions.

Physical properties shown are averages based on standard precast sizes.

ASTM test methods used where applicable

Maximum Service Temperature: 2500°F (1371°C)

Bulk Density (pcf)

As Received

Vibration Cast Data

189

(3.02 g/cm³)

Modulus of Rupture (psi)

As Received

3300

(231 kg/cm²)

Typical Chemical Analysis (%)

(Calcined Basis without SS fibers)

Silicon Carbide (SiC)	62.5
Alumina (Al ₂ O ₃)	11.9
Silica (SiO ₂)	22.7
Lime (CaO)	2.8
Magnesia (MgO)	0.1

Brand Code: 9950 (304 SS Fibers)

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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06/06/17 is the date that this data sheet was updated. Check with your RESOCO sales representative or RESOCO website to determine you have the current sheet.

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