



PRODUCT DATA

Brand Name: **MIGHTY FIBRE B**

Description: MIGHTY FIBRE B is a precast shape made with a castable-bonded, metallic fiber composite for added strength and spalling resistance. MIGHTY FIBRE B 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)

	Cast Data	
<u>Bulk Density (pcf)</u>		
As Received	183	(2.93 g/cm ³)
<u>Modulus of Rupture (psi)</u>		
As Received	5500	(385 kg/cm ²)
<u>Abrasion Loss (using ASTM C-704 Method)</u>		
After 1500°F (815°C)	5 cc (max)	

Typical Chemical Analysis (%)

(Calcined Basis without SS Fibers)

Alumina (Al ₂ O ₃)	68.4
Silica (SiO ₂)	25.4
Lime (CaO)	2.8
Iron Oxide (Fe ₂ O ₃)	1.1
Titania (Ti ₂ O ₃)	1.9
Magnesia (MgO)	0.1
Alkalis (Na ₂ O+K ₂ O)	0.3

Brand Code: 9949 (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.

RESCO PRODUCTS disclaims any express or implied warranties based on this sheet.

12/09/19 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet.