



# PRODUCT DATA

**Brand Name:** UNIFORM 50M COARSE

**Description:** UNIFORM 50M COARSE IS A Coarse Grain, Low Cement 50% Alumina Precast Shape

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

**Maximum Service Temperature: 3000°F (1649°C)**

	Pre-Cast Data	
<b><u>Bulk Density (pcf)</u></b>		
After 650°F (343°C)	146	(2.34 g/cm <sup>3</sup> )
<b><u>Modulus of Rupture (psi)</u></b>		
After 650°F (343°C)	1650	(116 kg/cm <sup>2</sup> )
<b><u>Permanent Linear Change (%)</u></b>		
After 650°F (343°C)	-0.1 to 0.0	

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

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	48.2
Silica (SiO <sub>2</sub> ) .....	47.8
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.6
Titania (TiO <sub>2</sub> ) .....	1.4
Lime (CaO) .....	1.5
Zirconia (ZrO <sub>2</sub> ) .....	0.3
Alkalies (Na <sub>2</sub> O+K <sub>2</sub> O) .....	0.2

Brand Code: 4590

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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