



# PRODUCT DATA

**Brand Name:** **UNIFORM 98 LCXC**

**Description:** UNIFORM 98 LCXC is a precast shape made with a cement-bonded, silica-free, high purity alumina mix. This precast shape brand can be used in high temperature applications and applications where a silica-free high purity alumina product is applicable.

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

**Maximum Service Temperature: 3300°F (1816°C)**

	<u>Pre-Cast Data</u>	
<b><u>Bulk Density (pcf)</u></b>		
After 230°F (110°C)	187	(2.99 g/cm <sup>3</sup> )
<b><u>Modulus of Rupture (psi)</u></b>		
After 230°F (110°C)	1500	(105 kg/cm <sup>2</sup> )
<b><u>Permanent Linear Change (%)</u></b>		
After 2500°F (1370°C)	-0.2	

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

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	98.2
Silica (SiO <sub>2</sub> ) .....	0.1
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.1
Lime (CaO) .....	1.4
Alkalies (Na <sub>2</sub> O+K <sub>2</sub> O) .....	0.2

Brand Code: 3456

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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