



# PRODUCT DATA

Brand Name:

**UNIFORM 85 ULM**

Description:

Low Cement, 80% Alumina Precast Shape

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

**Maximum Service Temperature: 3200°F (1760°C)**

### Bulk Density (pcf)

At 70°F (21°C) 164 (2.62 g/cm<sup>3</sup>)

### Cold Crushing Strength (psi)

At 70°F (21°C) 8000 (630 kg/cm<sup>2</sup>)

### Thermal Conductivity (K Factor)

Mean Temperature	BTU/ft <sup>2</sup> /hr./°F/inch	W/mK
1000°F (538°C)	12.0	1.73
1500°F (815°C)	11.0	1.59
2000°F (1095°C)	11.0	1.59

### Typical Chemical Analysis (%)

(Calcined Basis)

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	76.7
Silica (SiO <sub>2</sub> ) .....	19.3
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	0.8
Titania (TiO <sub>2</sub> ) .....	2.2
Lime (CaO) .....	0.7
Magnesia (MgO) .....	0.1
Alkalis (Na <sub>2</sub> O+K <sub>2</sub> O) .....	0.2

Brand Code: 3681

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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