



PRODUCT DATA

Brand Name: **UNIFORM 65 LC**

Description: UNIFORM 65 LC is a 65% alumina precast shape made with a low cement formulation. This precast product is formulated for improved strength and high temperature stability.

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)

| | Cast Data | |
|---|-----------|---------------------------|
| <u>Bulk Density (pcf)</u> | | |
| After 220°F (105°C) | 155 | (2.48 g/cm ³) |
| After 2200°F (1204°C) | 162 | (2.59 g/cm ³) |
| After 3000°F (1649°C) | 158 | (2.53 g/cm ³) |
| <u>Cold Crushing Strength (psi)</u> | | |
| After 220°F (105°C) | 10,000 | (700 kg/cm ²) |
| After 2200°F (1204°C) | 9000 | (630 kg/cm ²) |
| <u>Modulus of Rupture (psi)</u> | | |
| After 2200°F (1204°C) | 2650 | (186 kg/cm ²) |
| <u>Modulus of Rupture (psi)</u> | | |
| At 2500°F (1371°C) | 900 | (63 kg/cm ²) |
| <u>Permanent Linear Change (%)</u> | | |
| After 2200°F (1204°C) | -0.1 | |
| After 3000°F (1649°C) | +0.1 | |
| <u>Typical Chemical Analysis (%)</u> | | |
| (Calcined Basis) | | |
| Alumina (Al ₂ O ₃) | 64.1 | |
| Silica (SiO ₂) | 31.5 | |
| Iron Oxide (Fe ₂ O ₃) | 0.8 | |
| Titania (TiO ₂) | 1.8 | |
| Lime (CaO) | 1.6 | |
| Magnesia (MgO) | 0.1 | |
| Alkalies (Na ₂ O+K ₂ O) | 0.1 | |

Brand Code: 3268

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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