



## Fired Shapes

### Product Data

#### PACO MIX #15HS

**PACO MIX #15HS** is a high strength version of **#14 MIX** developed to better handle mechanical abuse in the ceramic industries, thus allowing the use of lower mass and thinner walls without sacrificing durability.

**Pyrometric Cone Equivalent:** cone 26 (2950°F)

**Bulk Density:** 131-135 lb/ft<sup>3</sup>

**Apparent Porosity:** 17-20 %

**Modulus of Rupture:** 1000-1300 psi

**Cold Crushing Strength:** 5000-7000 psi

**Strength Retention:** After 6 cycles of Air Shock  
(2250°F to Room Temperature)

Cold Crushing Strength 90-100% (Typical 4200 psi)

Modulus of Rupture 50-60% (Typical 550 psi)

**Maximum Service Temperature:** 2400°F (Flashing)

**Coefficient of Thermal Expansion:** (Avg.)  
From room temp. to 1425°F 1.9 x 10<sup>-6</sup> In/In/°F  
(From room temp. to 775°C) (3.3 x 10<sup>-6</sup> cm/cm/°C)

**Long Time Hot Load Test:**  
ASTM C 546-67 @2400°F -2.0%  
100 hrs., 25 psi

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

Al <sub>2</sub> O <sub>3</sub>	36.2
SiO <sub>2</sub>	57.4
Fe <sub>2</sub> O <sub>3</sub>	1.6
TiO <sub>2</sub>	1.2
MgO	3.0
CaO	0.1
K <sub>2</sub> O	0.3
Na <sub>2</sub> O	0.2

The properties shown on this data sheet represent typical average results generated 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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