



Fired Shapes

Product Data

PACO MIX #20

<u>Pyrometric Cone Equivalent:</u>	cone 23 (2921°F)
<u>Bulk Density:</u>	129-132 lb/ft ³
<u>Apparent Porosity:</u>	18-21 %
<u>Modulus of Rupture:</u>	800-1050 psi
<u>Cold Crushing Strength:</u>	3500-5500 psi
<u>Strength Retention:</u> After 6 cycles of Air Shock (2250°F to Room Temperature)	
Cold Crushing Strength	90-100% (Typical 4000 psi)
Modulus of Rupture	60-70 % (Typical 650 psi)
<u>Maximum Service Temperature:</u>	2350°F (Reducing)
<u>Coefficient of Thermal Expansion:</u> (Avg.)	
From room temp. to 1425°F	1.7 x 10 ⁻⁶ in/in/°F
(From room temp. to 775°C)	(2.7 x 10 ⁻⁶ cm/cm/°C)
<u>Long Time Hot Load Test:</u>	
ASTM C 546-67	@2300°F -0.3%
100 hrs., 25 psi	@2350°F -0.9%

Typical Chemical Analysis(%):

Al ₂ O ₃	35.5
SiO ₂	55.8
Fe ₂ O ₃	1.9
TiO ₂	1.2
MgO	4.9
CaO	0.1
K ₂ O	0.4
Na ₂ 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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