



RESCO
PRODUCTS, INC.

PRODUCT DATA

Brand Name:

MIX #22

Description:

Cartop Mix

Physical properties shown are averages based on standard shapes.
ASTM test methods used where applicable

Maximum Service Temperature: 2300°F (1260°C)

Bulk Density (pcf)

| | | |
|-------------|-----------|----------------------------------|
| As Received | 128 - 134 | (2.05 - 2.15 g/cm ³) |
|-------------|-----------|----------------------------------|

Modulus of Rupture (psi)

| | | |
|----------------|-------------|---------------------------------|
| at 70°F (20°C) | 1500 - 1900 | (105 - 133 kg/cm ²) |
|----------------|-------------|---------------------------------|

Cold Crushing Strength (psi)

| | | |
|----------------|-------------|---------------------------------|
| at 70°F (20°C) | 6000 - 9000 | (420 - 630 kg/cm ²) |
|----------------|-------------|---------------------------------|

Coefficient of Thermal Expansion

| | | |
|-------------------------------|-----------------------------------|-----------------------------------|
| 70°F (20°C) to 1425°F (774°C) | 1.8 (x 10 ⁻⁶ in/in/°F) | 3.2 (x 10 ⁻⁶ cm/cm/°C) |
|-------------------------------|-----------------------------------|-----------------------------------|

Apparent Porosity (%)

| | |
|-------------|---------|
| As Received | 17 - 21 |
|-------------|---------|

Typical Chemical Analysis (%)

(Calcined Basis)

| | |
|--|------|
| Alumina (Al ₂ O ₃) | 35.0 |
| Silica (SiO ₂) | 55.4 |
| Iron Oxide (Fe ₂ O ₃) | 2.0 |
| Titania (TiO ₂) | 1.2 |
| Lime (CaO) | 0.1 |
| Magnesia (MgO) | 5.8 |
| Alkalis (Na ₂ O+K ₂ O) | 0.6 |

Brand Code: 0022

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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