



PRODUCT DATA

Brand Name: **MIX #24 MassTech**

Description: Mix #24 MassTech is a premium lightweight cartop mix with excellent strength allowing it to be used in any location of a kiln car.

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

Maximum Service Temperature: 2350°F (1288°C)

Bulk Density (pcf)

As Received 114 - 117 (1.83 - 1.87 g/cm³)

Modulus of Rupture (psi)

at 70°F (20°C) 800 - 1000 (56 - 70 kg/cm²)

Cold Crushing Strength (psi)

at 70°F (20°C) 2500 - 5000 (175 - 350 kg/cm²)

Coefficient of Thermal Expansion

70°F (20°C) to 1425°F (774°C) 1.7 (x 10⁻⁶ in/in/°F) 3.1 (x 10⁻⁶ cm/cm/°C)

Apparent Porosity (%)

As Received 28

Typical Chemical Analysis (%)

(Calcined Basis)

| | |
|--|------|
| Alumina (Al ₂ O ₃) | 34.9 |
| Silica (SiO ₂) | 56.7 |
| Iron Oxide (Fe ₂ O ₃) | 1.8 |
| Titania (TiO ₂) | 1.2 |
| Lime (CaO) | 0.1 |
| Magnesia (MgO) | 4.7 |
| Alkalis (Na ₂ O+K ₂ O) | 0.6 |

Brand Code: 0024

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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