MIX #19
CARTOP SHAPE

Physical properties shown are average values of samples taken under controlled conditions
ASTM test methods used where applicable

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

Bulk Density (pcf)
- As Received: 129 - 132 (2.07 - 2.11 g/cm³)

Modulus of Rupture (psi)
- At 70°F (21°C): 1000 - 1600 (70 - 112 kg/cm²)
- After 6 Air Cycles (2250°F to 70°F): 50 - 70% Strength Retention

Cold Crushing Strength (psi)
- At 70°F (21°C): 4000 - 9000 (280 - 630 kg/cm²)
- After 6 Air Cycles (2250°F to 70°F): 85 - 100% Strength Retention

Apparent Porosity (%)
- As Received: 16 - 19

Coefficient of Thermal Expansion (Avg)
- From 70°F (21°C) to 1112°F (600°C): 1.7 (x 10⁻⁶ in/in/°F) 3.1 (x 10⁻⁶ cm/cm/°C)

Hot Load Deformation (%)
- At 2300°F (1260°C) using ASTM C 546-67: -0.3
- At 2350°F (1288°C) for 100 hr, 25 psi: -0.9

Typical Chemical Analysis (%)
(Calcined Basis)
- Alumina (Al₂O₃) .......................... 34.9
- Silica (SiO₂) ............................ 56.7
- Magnesia (MgO) .......................... 4.7
- Lime (CaO) .............................. 0.1
- Iron Oxide (Fe₂O₃) ...................... 1.8
- Titania (TiO₂) ............................ 1.2
- Alkalis (Na₂O+K₂O) ................... 0.6

Brand Code: 0019

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.

RESCO PRODUCTS disclaims any express or implied warranties based on this sheet.

02/23/17 is the date that this data sheet was updated. Check with your RESCO sales representative or RESCO website to determine you have the current sheet.

One Robinson Plaza - Suite 300, 6600 Steubenville Pike, Pittsburgh, PA, 15205 Phone: 888-283-5505