

# M47-AFS 105

## Typical Material Properties\*

Alumina (Al <sub>2</sub> O <sub>3</sub> )	46.80% (46.0% min.)
Silica (SiO <sub>2</sub> )	50.00%
Titania (TiO <sub>2</sub> )	1.89%
Ferric Oxide (Fe <sub>2</sub> O <sub>3</sub> )	0.95% (1.0% max.)
Calcium Oxide (CaO)	0.04%
Magnesium Oxide (MgO)	0.08%
Sodium Oxide (Na <sub>2</sub> O)	0.09%
Potassium Oxide (K <sub>2</sub> O)	0.09%
Phosphorous Pentoxide (P <sub>2</sub> O <sub>5</sub> )	0.09%
Specific Gravity (gm/ml)	2.62 (2.60 min)
PCE Temperature Value	3245 °F (1785 °C)

\*These results are based on the testing methods, frequency and procedures of Ransom & Randolph or its approved suppliers. The levels referenced herein are only for general guidance and do not constitute a firm specification.

## Grain Particle Size Specifications

USS Sieve	30 600 µm	40 425 µm	50 300 µm	70 212 µm	100 150 µm	140 106 µm	200 75 µm	270 53 µm	PAN**
	-	-	0	0-16	36-66	13-42	3-16	0-6	2 max

\*\*PAN designates the percentage of material passing the last reported screen for each size.

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