

TECHNICAL BULLETIN

RPA MC-17A

MINERALOGICAL ANALYSIS:

phases:

Coridierite

CHEMICAL ANALYSIS:

		Results	
Aluminum Oxide	Al ₂ O ₃	43,35	(%)
Silicon Oxide	SiO ₂	44,50	(%)
Magnesium Oxide	MgO	6,90	(%)
Ferric Oxide	Fe ₂ O ₃	1,90	(%)
Titanium Oxide	Ti ₂ O ₂	1,87	(%)
Potassium Oxide	K ₂ O	0,80	(%)
Sodium Oxide	Na ₂ O	0,09	(%)
Calcium Oxide	CaO	0,12	(%)
Zirconium Oxide	Zr ₂ O	0,44	(%)
Barium Oxide	BaO	0,03	(%)

PHYSICAL PROPERTIES:

	Minimum	Maximum	
Water Absorption	9,0	13,0	(%)
Apparent Porosity	20,0	25,0	(%)
Apparent density	2,00	2,10	(g/cm ³)
Modulus of Rupture at 25°C	130	200	(Kgf/cm ²)
Thermal expansion at 325°C	8	19	(10 ⁻⁷ °C ⁻¹)
Maximum Working Temperature	-	1180	(°C)