

## TECHNICAL BULLETIN

### RPA MC-30

#### MINERALOGICAL ANALYSIS :

*phases:*

Mullite
Cordierite

#### CHEMICAL ANALYSIS:

		<b>Results</b>	
Aluminum Oxide	Al <sub>2</sub> O <sub>3</sub>	44,76	(%)
Silicon Oxide	SiO <sub>2</sub>	44,14	(%)
Magnesium Oxide	MgO	7,71	(%)
Iron Oxide	Fe <sub>2</sub> O <sub>3</sub>	1,35	(%)
Titanium Oxide	Ti <sub>2</sub> O <sub>2</sub>	1,10	(%)
Potassium Oxide	K <sub>2</sub> O	0,77	(%)
Sodium Oxide	Na <sub>2</sub> O	0,05	(%)
Calcium Oxide	CaO	0,12	(%)

#### PHYSICAL PROPERTIES:

	<b>Minimum</b>	<b>Maximum</b>	
Water Absorption	10,0	13,0	(%)
Apparent Porosity	22,0	26,0	(%)
Apparent density	2,00	2,10	(g/cm <sup>3</sup> )
Modulus of Rupture at 25°C	140	200	(Kgf/cm <sup>2</sup> )
Thermal expansion at 325°C	16	21	(10 <sup>-7</sup> °C <sup>-1</sup> )
Maximum Working Temperature	-	1280	(°C)