

# Raw Material for Porcelain Bodies & Sanitary ware

Code	A-SEM-10			
	Kaolin			
	Chemical Analysis			
SiO <sub>2</sub>	45-46			
Al <sub>2</sub> O <sub>3</sub>	36-37			
Fe <sub>2</sub> O <sub>3</sub>	1.8			
TiO <sub>2</sub>	1.5			
CaO	<0.25			
MgO	0.5			
K <sub>2</sub> O	<0.7			
Na <sub>2</sub> O	0.1			
SO <sub>3</sub>	13-14			
L.O.I	Kaolinite (≥ 92%) , Anatase and Quartz			
Mineralogical Analysis	Kaolinite (≥ 92%) , Anatase and Quartz			
	Physical Properties			
Drying strength (Kg/cm <sup>2</sup> )	17-19			
	Thermal Properties (Dilatometry) $\alpha \times 10^{-7} \text{ }^\circ\text{C}^{-1}$			
	$\alpha$ 300	$\alpha$ 400	$\alpha$ 500	$\alpha$ 600
At 1156 ° C 60'	41.60	42.26	42.92	43.59
At 1195 ° C 60'	42.02	42.57	43.14	43.77
Color	at 1190°C    L = 70-75    a = 0.7    b = 5.42			
Application	Porcelain bodies, Sanitary ware			
Sizing	0-12 mm			
Packing	Big bag - Bulk			
Delivery place	According to customer order			
* Samples are tested under company laboratory condition				

