

## Raw Material for Porcelain Bodies & Sanitary ware

<b>Code</b>	<b>A-SEM-20</b>			
	<b>Kaolin</b>			
	<b>Chemical Analysis</b>			
SiO <sub>2</sub>	44-45			
Al <sub>2</sub> O <sub>3</sub>	37-38			
Fe <sub>2</sub> O <sub>3</sub>	<0.7			
TiO <sub>2</sub>	1.6			
CaO	<0.3			
MgO	<0.7			
K <sub>2</sub> O	<0.3			
Na <sub>2</sub> O	<0.3			
SO <sub>3</sub>	0.12			
L.O.I	13-14			
<b>Mineralogical Analysis</b>	Kaolinite (≥ 94%) , Anatase and Quartz			
	<b>Physical Properties</b>			
<b>Drying strength (Kg/cm<sup>2</sup>)</b>	17-19			
<b>Color</b>	at 1160°C 55' L = 89 a = 1.8 b = 9.6			
	<b>Thermal Properties (Dilatometry) <math>\alpha \times 10^{-7} \text{ }^\circ\text{C}^{-1}</math></b>			
	$\alpha$ 300	$\alpha$ 400	$\alpha$ 500	$\alpha$ 600
<b>At 1160 ° C 50'</b>	42.22	42.59	43.07	43.66
<b>At 1123 ° C 33'</b>	40.30	41.14	41.84	-
<b>Application</b>	Porcelain and white bodies –Sanitary ware			
<b>Sizing</b>	<40 cm-powder			
<b>Packing</b>	Big bag - Bulk			
<b>Delivery place</b>	According to customer order			
<b>* Samples are tested under company laboratory condition</b>				

