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KAOSIL - 85Ceramic Clay

ORIGIN:	<i>India</i>	
PACKAGING:	<i>Powder</i>	<i>25 kg HDPE Laminated bags</i>
PHYSICAL PROPERTIES:	TYPICAL	
<i>Mean particle size (D₅₀)</i>	<i>1.01 micron</i>	
<i>Appearance</i>		
<i>Residue (> 45 micron)</i>	<i><0.05</i>	
<i>Firing Whiteness at 1220 °C (ISO)</i>	<i>92%</i>	
<i>L - Value</i>	<i>>94.5%</i>	
<i>a - Value</i>	<i>0.40</i>	
<i>b - Value</i>	<i>3.39</i>	
<i>Shrinkage</i>	<i>5.8</i>	
<i>Specific gravity of kaolin mineral</i>	<i>2.60</i>	
<i>Water of Plasticity</i>	<i>38.0</i>	
<i>Water Absorption</i>	<i>15.42</i>	
<i>Dry M.O.R. (Kg/Cm²)</i>	<i>10.00</i>	
<i>Fired M.O.R. (Kg/Cm²)</i>	<i>120.00</i>	
<i>Moisture content</i>	<i><3%</i>	
<i>Oil absorption of powder (gm/100gm)</i>	<i>35 - 45</i>	
CHEMICAL ANALYSIS:	TYPICAL	
<i>Al₂O₃+SiO₂</i>	<i>>84%</i>	
<i>TiO₂+Fe₂O₃</i>	<i><1.2%</i>	
<i>Alkaline Impurities</i>	<i><0.5%</i>	
<i>L.O.I.</i>	<i>14 ± 1%</i>	

Application: *Ceramic*

Revised on 20.08.2018