

# KYANITE

<b>Chemical Analysis</b>		
%	Typical	Guaranteed
Al <sub>2</sub> O <sub>3</sub>	57.5	Min 55.00
SiO <sub>2</sub>	40.3	—
Fe <sub>2</sub> O <sub>3</sub>	0.6	Max 0.85
TiO <sub>2</sub>	1.2	—
CaO	< 0.04	—
MgO	< 0.03	—
Na <sub>2</sub> O	< 0.04	—
K <sub>2</sub> O	< 0.07	—
P <sub>2</sub> O <sub>5</sub>	< 0.15	—

<b>Physical Properties</b>			
	Typical	Guaranteed	
Bulk Density	3.2-3.7	—	g/cm <sup>3</sup>

<b>Mineralogical Composition</b>	
Main Phase	3Al <sub>2</sub> O <sub>3</sub> :3SiO <sub>2</sub>
Secondary Phase	Quartz 5 - 10 %

<b>Other Information</b>
<p>Kyanite is a raw material that expands around a 12-15% during its transformation into mullite, and it is used mainly in unshaped products to compensate shrinkages. Available sizes: 35 mesh, 48 mesh, 100 mesh, 200 mesh, 325 mesh.</p>