



### **Technical Data of 99.5% Alumina**

<b>Al<sub>2</sub>O<sub>3</sub></b>	<b>99.58%</b>
<b>Vickers Hardness</b>	<b>1600</b>
<b>Bending Strength (Mpa)</b>	<b>415</b>
<b>Thermal expansion (10<sup>-6</sup>/°C)</b>	<b>7.50</b>
<b>Density(g/cm<sup>3</sup>)</b>	<b>3.90</b>
<b>Isolation (kv/mm)</b>	<b>10</b>
<b>Ω .cm (300°C)</b>	<b>&gt;10<sup>12</sup></b>
<b>Cal/g. °C</b>	<b>0.28</b>
<b>Water absorption</b>	<b>0.001%</b>
<b>Modulus of elasticity (N/mm<sup>2</sup>)</b>	<b>10<sup>4</sup>-10<sup>5</sup></b>
<b>Sintering Temperature</b>	<b>1650°</b>