

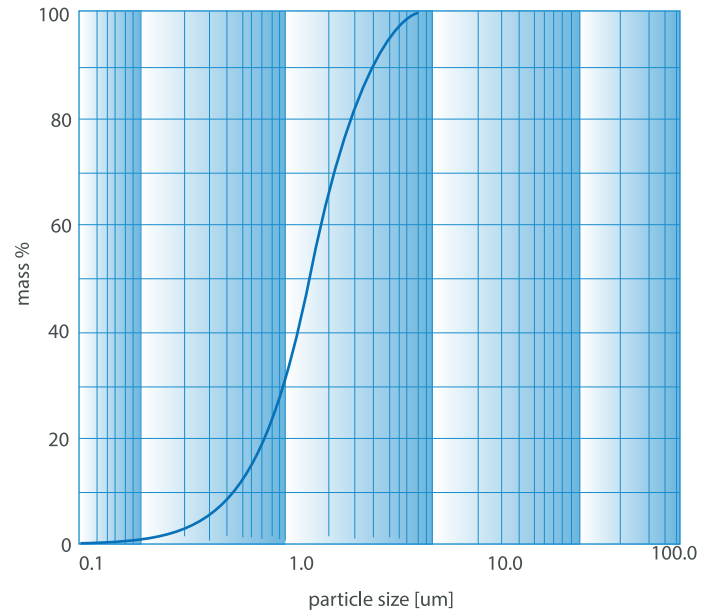
## REACTIVE GRADE ALUMINA (Al<sub>2</sub>O<sub>3</sub>) MR52

Reactive Grade Alumina (Al<sub>2</sub>O<sub>3</sub>) MR52 is well suited for Production of wear-resistant oxide ceramics with very high Al<sub>2</sub>O<sub>3</sub>-content for extreme service using isostatic and axial pressing, slip casting; injection molding, tape casting (substrate).

### TYPICAL ANALYSIS

(Al <sub>2</sub> O <sub>3</sub> )	≈ 99.8%
(Na <sub>2</sub> O) Total	≤ 0.1%
(CaO)	≈ 0.04%
(Fe <sub>2</sub> O <sub>3</sub> )	≈ 0.03%
(SiO <sub>2</sub> )	≈ 0.01%
(MgO)	≈ 0.08%
α Al <sub>2</sub> O <sub>3</sub>	≥ 95%
Loss on Ignition	≤ 0.3%
Specific Surface Size	6-9 m <sup>2</sup> /g
Primary Crystal	≈ 1.5 μm
Bulk Density	≈ 1100 kg/m <sup>3</sup>
Water Adsorption	≈ 13 ml/100g

REACTIVE GRADE ALUMINA MR52



### TYPICAL PARTICLE SIZE DISTRIBUTION

d <sub>10</sub>	0.3-0.5 μm
d <sub>50</sub>	1-1.75 μm
d <sub>90</sub>	3-6 μm