All technical data presented represent typical results, unless stated otherwise as min/max values.
No guarantee is made that material will meet exactly the values shown.

Aluminum Oxide, 99.99% ultrafine, TM-DAR

Properties			Method
Crystal Form		alpha-Al2O3	Powder XRD
Surface Area (m^2/g)		14.5 ? 1	BET
Average Particle Size (?m)		0.2 ? 0.05	Sedigraph
Bulk Density	Loose (g/cc)	0.9 ? 0.1	JIS
	Tapped (g/cc)	1.0 ? 0.1	JIS
	Pressed (g/cc)	2.25 ? 0.1	Molding pressure: 1 ton/cm^2
Fired Density (g/cc)		> 3.95	Fired for 1 h @ 1350°C in air
Impurities	Na (ppm)	< 15	Flame Spectroscopy
	K (ppm)	< 10	Flame Spectroscopy
	Fe (ppm)	< 20	ICP emission spectrophotometry
	Ca (ppm)	< 5	ICP emission spectrophotometry
	Mg (ppm)	< 5	ICP emission spectrophotometry
	Si (ppm)	< 25	ICP emission spectrophotometry
Purity (Al2O3 %)		> 99.99	Excluding ignition loss

TM-DAR is spherical powder.

Application: Advanced ceramics, Specialty materials
Product type: Consumables, Chemicals
Production scale: Lab, Pilot, Commercial
Search tags: Advanced Ceramics, Al2O3, Aluminum oxide