



酸化ナノセラミクス

Aluminum Oxide Al₂O₃ Nanopowder	
Particle shape: spherical, Average grain size: 40nm, Particle size full range: 5-150nm, Specific surface: >10m ² /g Purity: >99.8%, X-Ray analysis: α-Al ₂ O ₃	A-AIO - 10g A-AIO - 50g A-AIO -100g
Aluminum Oxide Al₂O₃ Nanopowder Fine Grade	
Particle shape: spherical, Average Particle size: 40nm, Specific surface: >40m ² /g Purity: >99.9%, X-Ray analysis: γ-Al ₂ O ₃	G-AIO-10g G-AIO-50g G-AIO-100g
Cerium (IV) Oxide CeO₂ Nanosuspension	
Average particle size: 4nm, Aqueous 5% colloidal solution	CeO-10g-200ml CeO-50g-1000ml
Indium (III) In₂O₃ Nanopowder	
Average particle size: 8±3nm	InO-10g InO-50g InO-100g
Iron (II, III) Oxide Fe₃O₄ Nanosuspension, Magnetic Fluid	
Magnetic fluid, 300 Gauss, aqueous suspension, Contains ca.3% of stabilizer (oleic acid), Average particle size: 8nm, Concentration: ca. 7wt. %	M-Fe3O4-10ml
Iron (II, III) Oxide Fe₃O₄ Nanosuspension, Magnetic Fluid	
Magnetic fluid, aqueous suspension, Average particle size: 8±3nm, Concentration: ca. 3 %	A-Fe3O4-10ml
Iron (III) Oxide Fe₂O₃ Nanosuspension	
Average particle size: 6±2nm, Supplied as 5 % aqueous suspension	FeO-10g-200ml FeO-50g-1000ml
Silicon Dioxide SiO₂ Fumed Silica Nanopowder	
Primary particle average size: 7-14nm, Specific surface: >200m ² /g, Bulk density: 0.048g/cm ³	SiOF-25g
Strontium Oxide SrO Nanopowder	
Average particle size: 200±50nm	SrO-1g SrO-10g
Tin Oxide SnO₂ Nanosuspension	
Supplied as 5 % aqueous suspension	SnO-10g-200ml SnO-50g-1000ml
Titanium Oxide TiO₂ Nanoparticles	
Average particle size: 4-8nm, Aqueous colloidal solution 5%	TiO-5p-10g-200ml TiO-5p-50g-1000ml

Titanium Oxide TiO₂ Nanoparticles	
Average particle size: 4-8nm, Aqueous colloidal solution 10%, Anatase phase	TiO-10p-10g-100ml TiO-10p-50g-500ml
Titanium Oxide TiO₂ Nanoparticles	
Average particle size: 4-8nm, Aqueous colloidal solution 20%, Anatase phase	TiO-20p-10g-50ml TiO-20p-50g-250ml
Titanium Oxide TiO₂ Nanoparticles	
Average particle size: 15-20nm, Dry nanopowder, Anatase phase Stabilized with NHO ₃	TiO-NO-10g TiO-NO-50g
Titanium Oxide TiO₂ Nanoparticles	
Average primary particle size: 21 ± 5nm, Specific surface: 50 ± 10m ² /g, Purity: >99.5%, Mixed rutile and anatase phase,,	TiO-P25-10g TiO-P25-50g
Titanium Oxide TiO₂ Nanoparticles	
Average particle size: 1-3nm, Dry rutile powder, Readily forms aqueous colloidal solutions up to 900g/L	TiO-R-5g TiO-R-25g
Titanium Oxide TiO₂ Nanoparticles	
Average particle size: 2-5nm, Mixed brookite and anatase phase, Stabilized with tetraethylamine, Aqueous colloidal solution 30%	TiO-N-20p-15g-75ml TiO-N-20p-60g-300ml
Zirconium Oxide ZrO₂ Nanopowder of tetragonal structure	
Stabilized with 3% Y ₂ O ₃ , Average particle size: 10-30nm, Specific surface area: 45 ± 10m ² /g, Purity: >92.7% Controlled admixtures%: 5.2 Y ₂ O ₃ ; 0.066 Al ₂ O ₃ ; 0.091 SiO ₂ ; 1.87 HfO	D-T-Zr-O-5g D-T-Zr-O-25g D-T-Zr-O-100g
Zirconium Oxide ZrO₂ Nanopowder of monoclinic structure	
Average particle size: 5-25nm, Specific surface area: 130 ± 20m ² /g, Purity: >97.2%, Controlled admixtures% : 0.018 Y ₂ O ₃ ; 0.24 Al ₂ O ₃ ; 0.15 SiO ₂ ; 1.91 HfO ₂ ; 0.42 TiO ₂ ; 0.021 Fe ₂ O ₃	M-Zr-O-5g M-Zr-O-25g M-Zr-O-100g
Zirconium Oxide ZrO₂ Nanopowder of cubic structure	
Stabilized with 6% Y ₂ O ₃ , Average particle size: 20-50nm, Shape: spherical, Density: 0.75-0.85g·cm ³ , Particles are bound by necks forming aggregates, X- Ray diffraction diagram of the powder shows cubic modification lines (111),(200),(220), (311). Cubic structure is due to the stabilizer (6% of Y ₂ O ₃ and to the small particles aize (size effect).	D-C-Zr-O-5g D-C-Zr-O-25g D-C-Zr-O-100g
Zirconium Oxide ZrO₂ Nanopowder of tetragonal structure	
Stabilized with 6% Y ₂ O ₃ , Average particle size: 100-200nm	T-Zr-O-5g T-Zr-O-25g T-Zr-O-100g