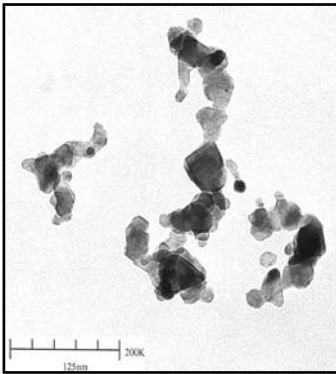


SpectrAl™ 81



SpectrAl™ fumed alumina is a unique synthetic aluminum oxide nanoparticle. SpectrAl™ fumed alumina's extremely small particle diameter, high surface area, crystalline composition, high-purity and positive surface charge enables it to impart unique performance characteristics in a spectrum of end uses. SpectrAl™ fumed alumina is a light, fluffy powder that is white in appearance and is used in many applications and a variety of industries.

Product Form

Powder

Typical Properties

B.E.T. Surface Area	80 m ² /g
pH (4% aqueous slurry)	4.7
Tamped Density	80 g/L
Loss on Heating*	1%
Specific Gravity	3.6
Refractive Index	1.77
Assay (% Al ₂ O ₃)	> 99.8

* At time of packaging



Functions	Applications
Abrasion Resistance	Textile
Polishing	Optics
Free Flow	Lighting
Barrier	Coatings
Tribo-charging	Inkjet Media
Absorbent	Catalyst

Packaging Options

SpectrAl™ fumed alumina is packaged in color-coded, multi-wall Kraft paper 10 kg. bags. The bags are unitized and sized to provide product protection, facilitate efficient handling and maximize payloads. Specific information regarding standard and custom packaging may be obtained by contacting a sales service representative at the Cabot Corporation office in your region.

MSDS

A Material Safety Data Sheet for this product may be obtained by contacting the Cabot Corporation office in your region.

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