



Wesol P

Alumina silica sol binder for alumina and acidic systems

How to Use Wesol P

Coatings made using Wesol P must be air or oven dried for good hardness. Wesol P is rehydratable to 400°F.

Storage:

Wesol P is a water based material and freezes at 32°F; store above this temperature to keep fluid. Freezing does not damage Wesol P, but ice floats to top and forms a water layer when thawed. Stir before using if freezing is suspected. Store below 100°F.

Toxicity:

Non-hazardous, mildly acidic (pH=4.0).

Wesol P is a mildly acidic aqueous dispersion of positively-charged alumina-coated colloidal silica particles. Dense colloidal silica core particles are coated with positively charged Al-O-AL species alumina. Developed initially as a hydrophilizing agent, Wesol P is also an excellent cationic surface modifier, inorganic binder, and flocculating agent.

Use WESOL P to enjoy these advantages

Hydrophilizing agent

Better wetting of ceramic and enameled surfaces, glass, plastic films and fiber.

Cationic surface modifier

Cationic modifier of negatively charged surfaces, like ceramics, glass, paper and plastics, to improve adhesion, dyeability, printability, and anti-soil effects .

Inorganic binder

A stable binder for ceramic coatings and slurries that require acidic and alumina compatibility.

Flocculating agent

For negatively charged materials like clays, starches, and resins to improve retention on ceramic, plastic, and paper fibers..

Reinforcement

Adds reinforcement to adhesives, polymers, resins, and inks.

Typical Physical Properties

Appearance	Opalescent liquid
Concentration, wt%	30 wt %
pH	4.0
Nominal Particle Size, nm	11
Nominal Surface Area, m ² /g	250
Specific Gravity	1.18
Silica/Alumina Content	23 wt%/4 wt%
Toxicity	Non-toxic, mildly acidic, protect eyes from splashes. See MSDS.
Packaging	1-gallon pail; 5-gallon pail; drums, 550 lbs. net.

For a price quote and valuable information on how we can help you improve your vacuum formed products call

WESBOND
(302) 655-7917