



# 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 <sup>2</sup> /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**