



DATA SHEET
NYACOL® AL27

NYACOL® Colloidal Alumina
High Temperature Coating / Binder

NYACOL® AL27

NYACOL® AL27 has been developed utilizing new innovative technology for colloidal alumina. AL27 is a colloidal dispersion of boehmite with dispersed particle sizes of 60 – 90 nm at 20% Al₂O₃ content. Typically AL27 will have up to 50 ppm Na content. The sol is essentially chloride free and other impurities are low.

The product is used as binder for high temperature refractories and ceramics, catalyst wash-coats, catalyst formulation, precision polishing and paper coating.

TYPICAL PROPERTIES

	AL27
Aluminum content expressed as Al ₂ O ₃ , wt%	19 – 21
Particle Size, nm by Malvern	60 – 90
Particle Charge	+
pH	3.6 – 4.3
Specific Gravity	1.19
Viscosity, cP	3 – 30
Sodium, ppm	<50
Surface area, m ² /g	180 – 220

PACKAGING

NYACOL® AL27 is available in 55-gallon drums at 500 lbs. net and 275-gallon IBC totes at 2500 lbs. net.

STORAGE

NYACOL® AL27 should not be subjected to temperatures of 32°F or below to avoid freezing.

SAFETY

NYACOL® AL27 is acidic and may cause eye and skin irritation. Users should observe precautions printed on the package label. A Safety Data Sheet for this product will be supplied on request.

FOR ADDITIONAL INFORMATION OR TO PLACE AN ORDER

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Information herein is accurate to the best of our knowledge. Suggestions are made without warranty or guarantee of results. Before using, user should determine the suitability of the product for the intended use and user assumes the risk and liability in connection therewith. We do not suggest violation of any existing patents or give permission to practice any patented invention without a license.
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