



DATA SHEET  
NYACOL® AL20, AL20DW

NYACOL® Colloidal Alumina  
High Temperature Coating / Binder

NYACOL® AL20, AL20DW

NYACOL AL20 is designed specifically for use as a binder for high-temperature refractories and ceramics, providing a good balance of particle size, concentration and pH to enhance the binding characteristics while optimizing the economics of the binder system. NYACOL AL20 is an effective high-temperature binder where colloidal silica binders fail.

AL20DW, a custom order product, is made with deionized water to reduce the sodium and chlorine levels to less than 10 ppm.

NYACOL AL20 and AL20DW are pseudo-Boehmite and have the chemical composition corresponding to (AlO(OH)) or Al<sub>2</sub>O<sub>3</sub>.H<sub>2</sub>O.

**TYPICAL PROPERTIES**

	AL20	AL20DW
(AlO(OH)), wt%	23.5	23.5
Aluminum content expressed as Al <sub>2</sub> O <sub>3</sub> , wt%	20	20
Particle Size, Z-Average, nm	60 - 90	60 - 90
Particle Charge	+	+
pH	4.0	4.0
Specific Gravity	1.19	1.19
Viscosity, cP	4 - 11	4 - 11

**PACKAGING**

NYACOL AL20 is available in 55-gallon plastic drums or stainless steel tank trucks. Customized packaging is available.

**STORAGE**

NYACOL AL20 should not be subjected to temperatures of 32°F or below to avoid freezing.

**SAFETY**

NYACOL AL20 is acidic and may cause eye and skin irritation. Users should observe precautions printed on the package label. A Material Safety Data Sheet for this product will be supplied on request.

**FOR ADDITIONAL INFORMATION OR TO PLACE AN ORDER**

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