



DATA SHEET
NYACOL® ZRO2(AC)

Colloidal Zirconium Oxide

NYACOL® ZRO2(AC)

Nyacol Nano Technologies, Inc. offers colloidal zirconium oxides for use as a binder in ceramic and catalyst applications, a passivation agent, and an anti-scuff agent on glass. ZRO2(AC) also provides a high index of refraction for coatings and excellent transparency as a result of the small particle size.

TYPICAL PROPERTIES

	ZRO2(AC)
ZrO ₂ , wt.%	20
Particle Size, nm	5 – 20
Refractive Index:*	1.7
pH	3.5
Specific Gravity	1.26
Viscosity, cP	10
Particle Charge	Positive
Counter Ion	Acetate

* Particle refractive index calculated from solids contribution to measured solution refractive index

PACKAGING

NYACOL ZRO2(AC) is available in 55-gallon plastic drums with a net weight of 500 pounds or in 5-gallon pails with a net weight of 44 pounds.

SAFETY

NYACOL ZRO2(AC) 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.

STORAGE

NYACOL ZRO2(AC) should not be subjected to temperatures of 32°F or below to avoid freezing.

FOR ORDERS OR ADDITIONAL INFORMATION

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