



DATA SHEET  
NYACOL® Zr10/20NH4 Alkaline Zirconia Sol

## Colloidal Performance Materials

### NYACOL® Zr10/20NH4 Alkaline Zirconia Sol

NYACOL® Zr10/20NH4 Alkaline Zirconia Sol is an ammonia stabilized colloidal zirconia. The product is supplied at alkaline pH and is a binder for casting of titanium alloys and other refractory products and ceramics.

#### TYPICAL PROPERTIES

	ZR10/20NH4 ALKALINE ZIRCONIA SOL
ZrO <sub>2</sub> , weight %:	18 – 20
Particle Size, nm:	5 – 20
Particle Charge:	Negative
pH:	7.5 – 10
Specific Gravity:	1.34
Viscosity, cP:	20
Appearance:	Transparent Sol
Stabilizer:	Ammonia/Organic Acid
Surface Area, BET:	180 m <sup>2</sup> /g

#### PACKAGING

NYACOL® zirconia is available in 55-gallon drums (550 pounds net) and 5-gallon pails (50 pounds net). Packaging in smaller containers, or containers of alternate materials, is available upon request.

#### STORAGE

NYACOL® zirconia should not be subjected to temperatures of 0°C (32°F) or below to avoid freezing. If the product freezes, warm slowly and stir well before use.

#### SAFETY

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

#### TO ORDER MATERIAL OR FOR INFORMATION

Nyacol Nano Technologies, Inc.  
Megunko Road  
P.O. Box 349  
Ashland, MA 01721-0349 U.S.A.

Telephone: 508-881-2220 Local Area  
800-438-7657 Toll Free  
Fax: 508-881-1855  
Internet: [www.nyacol.com](http://www.nyacol.com)

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