



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**

	<b>ZR10/20NH4 ALKALINE ZIRCONIA SOL</b>
ZrO <sub>2</sub> , weight %:	15
Particle Size, nm:	5 – 20
Particle Charge:	Negative
pH:	7.5 – 10
Specific Gravity:	1.24
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 Material Safety Data Sheet (MSDS) for this product will be supplied on request.

**TO ORDER MATERIAL OR FOR INFORMATION**

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