



DATA SHEET
NYACOL® ZIRCONIA

Colloidal Performance Materials

NYACOL® COLLOIDAL ZIRCONIA

Nyacol zirconia products are designed for use as a high-temperature refractory, and as a ceramic binder with or without yttria as a stabilizer.

TYPICAL PROPERTIES

	ZR02(AC) ACETATE-STABILIZED	ZR50/14 pH 3	ZR100/20
ZrO ₂ , weight %:	20	14	20
Particle Size, nm:	5 – 20	50	100
Particle Charge:	Positive	Positive	Positive
pH:	3.5	3.0	3.0
Specific Gravity:	1.26	1.16	1.22
Viscosity, cP:	10	~20	~20
ZrO ₂ / Counter Ion, mol/mol:	1.5 Acetate	0.3 Nitrate	0.3 Nitrate

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 acidic 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

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