



DATA SHEET NYACOL® ZR100/20

Colloidal Performance Materials

NYACOL® ZR100/20

NYACOL ZR100/20 is designed for use as a high-temperature refractory, and as a ceramic and catalyst binder with or without yttria as a stabilizer, as a sintering agent for control of CTE, and as an abrasive for precision polishing.

NYACOL ZR100/20 is a bimodal product containing 60–80% large particle zirconia and the balance as small particle zirconia.

TYPICAL PROPERTIES

	ZR100/20
ZrO ₂ , weight %:	20
Particle Size, nm:	120 – 200
Particle Charge:	Positive
pH:	3.0
Specific Gravity:	1.22
Viscosity, cP:	~20
ZrO ₂ / Counter Ion, mol/mol:	0.3 Nitrate

PACKAGING

NYACOL ZR100/20 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

The product 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 ZR100/20 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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Information herein is accurate to the best of our knowledge. Suggestions are made without warranty or guarantee of results. Before using, user should determine the suitability of the product for the intended use and user assumes the risk and liability in connection therewith. We do not suggest violation of any existing patents or give permission to practice any patented invention without a license. 2023/02

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