



NYACOL® ZIRCONIA COLLOIDAL PRODUCTS

Colloidal Performance Materials

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Nyacol Nano Technologies, Inc. offers zirconia products designed for use as a high-temperature refractory, or as a ceramic binder with or without yttria as a stabilizer.

PRODUCTS

GRADE	ZrO ₂ WT %	PARTICLE SIZE, NM	PARTICLE CHARGE	COUNTER ION, MOL/MOL	pH	SPECIFIC GRAVITY	VISCOSITY, CPS
ZrO ₂ Acetate-Stabilized	20	5-10	Positive	1.5 acetate	3.5	1.26	10
Zr10/20	20	5-10	Positive	0.98 nitrate	0.5	1.32	8
Zr50/14, pH 3	14	50	Positive	0.3 nitrate	3.0	1.25	~20
Zr100/20	20	100	Positive	0.3 nitrate	3.0	1.22	~20
ZRYS4: Yttria-Stabilized Zirconia	18 + 1.32% Y ₂ O ₃	100	Positive	0.3 nitrate	5.6	1.21	~20

PACKAGING

NYACOL zirconia products are available in 55-gallon drums at 550 pounds net and in 5-gallon pails at 50 pounds net.

STORAGE

NYACOL zirconia products should not be subjected to temperatures of 0°C (32°F) or below to avoid freezing.

SAFETY

NYACOL zirconia products are acidic 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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