



NYACOL® ZrMin

Colloidal Performance Materials

NYACOL® ZrMin

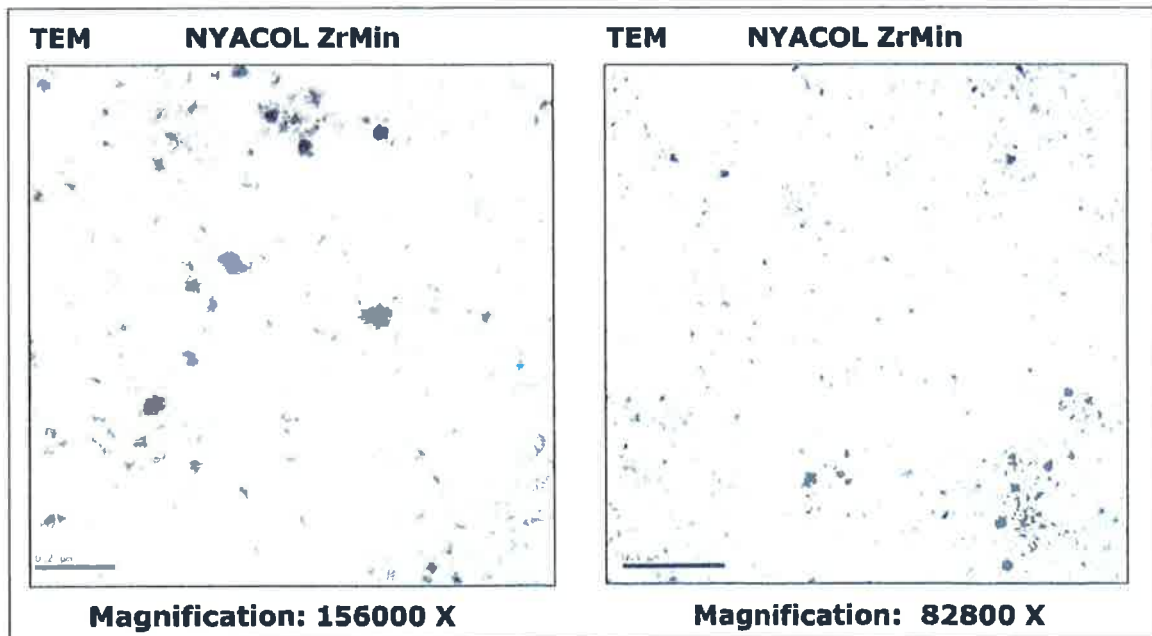
Zirconium Oxide in Mineral Spirits

Nyacol ZrMin is a unique dispersion of nano-scale zirconium oxide suspended in mineral spirits. The typical particle size of the zirconia is 40-80 nm with a narrow distribution. ZrMin can be used as a sintering control agent for precious-metal paste formulations.

Nyacol ZrMin is supplied pre-dispersed and is ready to use.

TYPICAL PROPERTIES

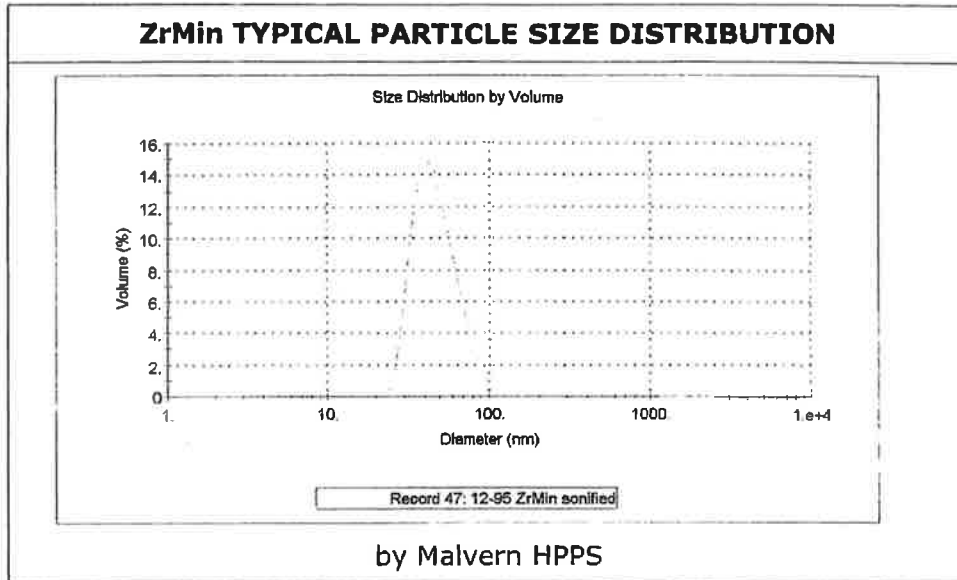
ZrO ₂ , %	30
Carrier	C11-C13 Isoparaffin
Particle Size, nm	60



NYACOL is a trademark of Nyacol Nano Technologies, Inc.
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NYACOL[®] ZrMin



ZrMin TYPICAL MLCC RESULTS			
90 Ag/10Pd @ 50%			
No ZrMin		1% ZrMin	
♦ Avg Cap	= 1058 pf	♦ Avg Cap	= 1102 pf
♦ Cap Spread	= 12	♦ Cap Spread	= 0
♦ Diel Const	= 91	♦ Diel Const	= 96
♦ DF	= <.02%	♦ DF	= <.02%
♦ Delams	= 10%	♦ Delams	= 0%

TO ORDER MATERIAL OR FOR INFORMATION

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