



DATA SHEET NYACOL® Y-Min

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NYACOL Y-Min is a unique dispersion of nano-scale yttrium oxide suspended in mineral spirits. The typical particle size of the yttrium oxide is about 150 –200 nm with a narrow distribution.

Y-Min can be used as an additive in fuel combustion for scavenging of vanadium. The high surface area of the yttrium oxide provides high reactivity. Y-Min also has excellent colloidal stability when diluted to the required working levels in the fuel which aids in the reaction. The product is also low in viscosity for easy pumping and metering and has a high flash point of 65° C.

Y-Min is also used as a dopant in electronic ceramics such as MLCC dielectrics and inks.

NYACOL Y-Min is supplied pre-dispersed and is ready to use.

TYPICAL PROPERTIES

Y ₂ O ₃ , %:	34–36
Carrier:	C11–C13 Isoparaffin
Specific gravity	1.09–1.11
Viscosity, cP	4–10
Z _{avg} particle size, nm	150–200
Water, %	<1.0



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