

MELOX NANOSIZE YTTRIA STABILISED ZIRCONIAS

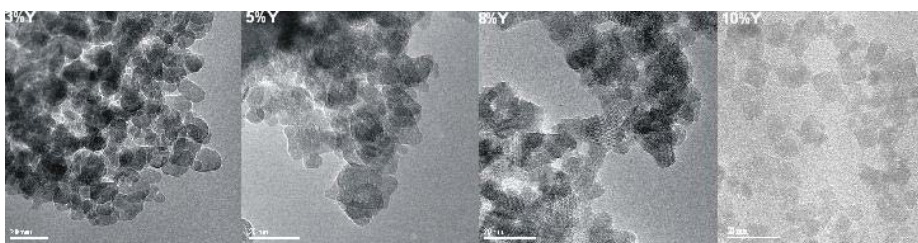
GENERAL CHARACTERISTICS

Aqueous dispersion of nano sized yttria stabilized zirconia particles, with solids content of 20-30 wt% oxide.

TYPICAL PROPERTIES

Grade	Y ₂ O ₃ (%)	SiO ₂ (%)	Fe ₂ O ₃ (%)	pH	Crystallite Size (nm)	Phase (Tetragonal/Cubic)
MELox Nanosize 3Y	5.3	0.01	0.005	3-4	11-12	>98 %
MELox Nanosize 5Y	7.5	0.01	0.005	4-6	11	>98 %
MELox Nanosize 8Y	13.6	0.01	0.005	5-6	10	>99 %
MELox Nanosize 10Y	16.0	0.01	0.005	5-6	10	>99 %

TEM AND PHASE ANALYSIS OF THE SUSPENSIONS



HEALTH & SAFETY

Material Safety Data Sheets are available on request.

PACKAGING

Standard 50 kg net weight in polythene-lined fibreboard drums with plastic lids.

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