

# Technical Data Sheet

Chemical Name	Zinc Oxide Powder
INCI Name	Zinc Oxide & Triethoxycaprylsilane
CAS No.	1314-13-2 & 2943-75-1
Appearance & Odor	Slightly yellowish powder & Slightly characteristic odor

## Specification

Item	Unit	Limit	Test Method
ZnO (Purity)	wt.%	96.0 Min	KS M 6551 ASTM D 3280
Pb (Lead)	ppm	10 Max	KS M 0032(ICP-AES) ASTM D 4075
Cd (Cadmium)	ppm	5 Max	
As (Arsenic)	ppm	10 Max	
Sb (Antimony)	ppm	10 Max	
Hg (Mercury)	ppm	1 Max	
Moisture (105°C)	wt.%	0.30 Max	KS M 6551 ASTM D 280
Ignition loss	wt.%	4.0 Max	KS M 0009
BET(Specific Surface Area)	m <sup>2</sup> /g	10 ~ 15	ISO 9277:2010 ASTM C 1251:95
Bulk Density	g/cc	0.35 ~ 0.45	KS D 0036 ASTM B 329 ISO 3923

Characteristics & Application	NZ-TE100 is an alkyl silane surface treated UV filter powder.	
	Primary particle size is 100nm.	
	Compositional breakdown for NZ-TE100	
	<u>Ingredient</u>	<u>% of Product</u>
	ZnO	96 Min.
	Triethoxy Caprylsilane	4 Max.

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