

# Technical Data Sheet

Product name	Active Zinc Oxide ( AZO-50 )
Chemical formula	ZnO
Appearance	Yellow Powder & Granule Type
Storage	Keep in tightly closed. Keep in a cool, well - ventilated area. Do not store above 25°C
Packing unit	500Kg Poly Propylene Woven Bag , 20Kg Craft Wrapping paper.
	It is possible to change the package unit weight.
characteristics & Application	ZnO has high refractive index, good thermal, binding, antibacterial and UV-protection properties. Consequently, It is added into various materials, including plastics, ceramics, glass, rubber, paints, adhesive, pigments, foods, batteries, ferrites, fire retardants, etc.

## CHEMICAL ANALYSIS

ITEM	UNIT	SPECIFICATION	RESULT	ANALYTIC METHODS
ZnO	wt.%	87~93	89.45	KS M 6551 ASTM D 3280
Pb	wt.%	0.030 Max	0.001	KS M 0032(ICP-AES) ASTM D 4075
Cd	wt.%	0.010 Max	0.001	
Moisture (105°C)	wt.%	1.80 Max	0.720	KS M 6551 ASTM D 280
Sieve Residue (+ 200 mesh)	wt.%	0.30 Max	0.030	KS M 6551 ASTM D 4315
BET	m <sup>2</sup> /g	45 Min	101.47	ISO 9277:2010 ASTM C 1251:95
Sp. Gravity	--	4.6~4.8	4.68	KS M 0004

Office	3F Hanil building, 35-8, Samsung 2-dong, Kangnam-ku Seoul, Korea		
Telephone	82-2-3448-3311		
Facsimile	82-2-3448-4264		
E-mail : hi3311@hanzinc.com	Web site : www.hanzinc.com		
Factory	#1241-3, Jungwang-Dong, Siheung-Si, Gyeonggi-Do, Korea		
Telephone	82-31-499-8201~6		
Facsimile	82-31-499-8207		
E-mail : igjung@hanzinc.com	Web site : www.hanzinc.com		