



ZINC OXIDE
GRADE AZO 77HSA

Description & Uses

Grade AZO77HSA is an extremely small particle size French Process, statistically controlled zinc oxide produced from zinc metal. AZO77HSA was specifically developed to have the highest reactivity, viscosity, fineness, and purity. This grade is used in latex compounds, plastics, can sealants, paint/coating, zinc chemicals, and in the food can liner coating industry where the extremely fine particles readily convert certain available soluble into white sulfide, thus preventing discoloration of food from sulfides of iron or tin. Grade AZO77HSA is available with surface treatment (AZO77HSA-T).

Typical Technical Values*

Chemical Analysis (%)	Range	Nominal	Method
ZnO (Zinc Oxide)	≥ 99.7%	99.8%	USP
Pb (Lead)	≤ 0.005%	0.003%	D4075
Cd (Cadmium)	≤ 0.003%	0.001%	D4075
Cu (Copper)	≤ 0.002%	nil	D4075
Fe (Iron)	≤ 0.002%	nil	D4075

Physical Properties

Surface Area (m ² /g)	8.0-10.0	9.0	D4315
Fineness passing 325 mesh (%)	≥99.9	99.98	D4315
Heat Loss/Moisture (%)	< 0.3%	0.2%	D280
Specific Gravity	N/A	5.6	USZ
Apparent Density (lbs./cu. Ft.)	20-40	30	USZ

Standard packaging in 50 pound net weight bags on 48X40 wood pallets. 2,000 pounds net weight.

**U.S. Zinc can produce Zinc Oxide to meet individual customer specifications superseding the above. Please contact customer service for additional information.*

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