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ZINVISIBLE™ Zinc Oxide

DESCRIPTION

ZINVISIBLE™ is a premium nanometer-sized, high-purity zinc oxide, suitable for many different uses. It meets both the US Pharmacopoeia and FDA purity requirements. ZINVISIBLE™ can be formulated into transparent coatings with excellent ultraviolet (UV) absorption properties.

USES

Coatings -- ZINVISIBLE™ can be formulated to provide UV blocking in transparent coatings such as stains for wood, and in textiles.

Sunscreens and Cosmetics -- ZINVISIBLE™ is an ultra-fine zinc oxide for sunscreens and cosmetics. It provides full spectrum UV blocking while remaining transparent to visible light. Under FDA Guidelines, it is a category 1 sunscreen.

Ceramics & Other Applications -- ZINVISIBLE™ can be used in any application where very high surface area and high purity are required

PRODUCT FORMS

ZINVISIBLE™ is available in uncoated or silane-coated forms. A 3% silane coating makes the oxide surface hydrophobic for improved dispersion and stability in cosmetic formulations.

TECHNICAL DATA

Representative Physical Properties

Specific Surface, m²/g 29
Specific Gravity 5.6
Through 325 mesh, % 99.9
Apparent Density, lb/ft³ 13

Representative Chemical Properties

ZnO, % 99.9
PbO, % 0.0010
CdO, % 0.0010

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