



AN-823

Nano wear-resistant powder



Overview

AN-823 is a nanocomposite wear-resistant powder that enhances the product's scratch resistance, abrasion resistance, and stain resistance.

Physicochemical Properties

| | | | |
|----------------------|------------------|-----------------------|--|
| Appearance | off-white powder | Composition | Al ₂ O ₃ /SiO ₂ |
| Solid Content | ≥99.0 % | Solvent | None |
| Density | 2.5 g/ml | Oil absorption | ≈33 g |
| Particle size | 1-2 um | Hardness | 7-8 (Mohs) |

Characteristics and Advantages

Water-oil compatible nanocomposite material, suitable for various processing techniques and construction environments.

Enhances product cleanliness, scratch resistance, abrasion resistance, flex resistance, stain resistance, and surface self-cleaning properties.

Due to its high specific surface area, this product requires the use of super dispersants in certain industrial processes.

Exhibits good suspension properties, with low tendency to settle.

Dosage

Can fill the gaps between matting agents, promote the alignment of matting powders, and reduce the amount of matting agent needed.

1-10% of the total volume.

Application

Coatings, inks, leather, plastics (TPE/TPR, FRP systems, engineering plastics), rubber (tires, seals), ceramic sanitary ware.

Precautions & Storage

Keep packaging sealed to prevent contact with moisture.

Safety

Refer to MSDS

Packaging

30 KG/Barrel