

Matt 412

Version 2026-10-22b · Revision 2026-10-22

CAS No.	7631-86-9 (112926-00-8, 9002-88-4)	Chemical Group	Silicon Dioxide
---------	---------------------------------------	----------------	-----------------

Product Description

MATT 412 is a synthetic amorphous silica all-purpose matting agent developed for coatings and overprint varnishes. This effective matting agent is suitable for pigmented coatings as well as clear coatings and non-pigmented systems due to its excellent suspension behavior.

Applications

1. Industrial Coating. 2. Wood Coating. 3. Plastic Coating. 4. Printing Inks

Special Attributes

- High Matting Efficiency
- Good Transparency balance
- Easy to Disperse
- Excellent Hand-feeling

Packing & Storage

10KG Paper Bag / 360KG per Pallet / 3600KG per 20ft FCL

Physical Data

Form of supply	White Powder
Oil absorption	260-300 (g/100g)
pH value	6.0-7.0 (5% Liquor)
Whiteness	≥93%
Content	≥99% SiO ₂ (dry basis)
Porosity	1.8-2.0 ml/g
Average particle size	5.0-6.0 μm (Malvent D50)
Loss on drying	≤5.0 (105°C, 2h)
Ignition loss	≤9.0 (1000°C, 2h)
Surface treatment	Organic

Packaging, Shipping & Storage

Matt 412 is supplied as white powder. The product is packed in 10 kg paper bag and shipped on pallets of 360 kg. Store in a cool, dry, well-ventilated place at 25°C. Shelf life: Above 1 year in a cool, dry, well-ventilated place at 25 °C.

All the information above is based on data obtained at laboratory and is not to be used for certifying the suitability of the product. Users are advised to test the product in their own system before purchase.