

78902 Acematt® TS 100

Thermal, untreated silica

CAS No.: 112945-52-5 (7631-86-9)

Average agglomerate particle size: 9.5 µm d50 (laser diffraction)

Acematt® TS 100 is a fumed silica that is not surface treated. This matting agent is distinguished by excellent matting efficiency combined with the highest transparency. Thanks to its unique property profile, it is particularly suitable for coatings that are not easily matted. Particularly noteworthy is its use in water-based coatings, waterborne UV-coatings, clear coatings, and coatings for leather, artificial leather, and foils, as well as top coats of all types. Acematt® TS 100 allows formulation of coatings with outstanding resistance to household chemicals. Due to its high purity and extremely low electrical conductivity, Acematt® TS 100 is excellently suited for use in correspondingly sensitive coating systems such as solder resist.

Acematt® TS 100 improves flow behavior and increases storage stability in powder coatings.

Physical Chemical Properties

Loss on drying (2h at 105°C), ISO 787-2	≤ 4 %
Loss on ignition (2h at 1000°C), ISO 3262-1	≤ 2.5 %
pH Value (5% in water), ISO 787-9	6.5
Specific surface area (N ₂), ISO 9277	250 m ² /g
SiO ₂ content, ISO 3262-19	≥ 99 %