Matting agent

SIPERNAT® 622 LS

DESCRIPTION

SIPERNAT® 622 LS is an untreated, finely ground silica. This specialty silica provides good matting efficiency with minimal viscosity increase in printing ink applications.

KEY BENEFITS

- good dispersability
- universally applicable

EFFECT

Matting efficiency

Transparency

Viscosity

Smoothness/Haptic

Sedimentation behavior

SUITABILITY

waterborne	solventborne
●	●
radiation-curing	**2-pack coatings**
●	●
high solids	**pigmented coatings**
●	●
clear coatings	
●	

○ not suitable ◔ partly suitable ● suitable

TYPICAL APPLICATIONS

Printing Inks

TECHNICAL DATA

DOA absorption	225 ml/100g
loss on drying	< 7.0 %
particle size, d_{50}	4.5 µm
pH-value	6.5
SiO_2 content	> 97 %
specific surface area (N_2)	180 m^2/g
tamped density	70 g/l

RECOMMENDED ADDITION LEVEL

As supplied calculated on total formulation: 1.5 - 15.0 %

PROCESSING INSTRUCTIONS

- Addition to the coating as supplied.
- At higher dosages, the use of a suitable dispersing additive is beneficial.

HANDLING & STORAGE

When stored in an original unopened packaging, the product has a shelf life of 24 months from the date of manufacture. We recommend to store the product in closed containers under dry conditions and to protect the material from volatile substances.

Evonik Operations GmbH | Goldschmidtstraße 100, 45127 Essen, Germany | Telefon +49 201 173-2222 Telefax +49 201 173-1939 | www.coating-additives.com

EVONIK Leading Beyond Chemistry