

Densurf DA 4123

Wetting & Dispersing Agent

Content Publish Date: 01.03.2025 Content Revision Date: 01.03.2025 Content Revision No: 000

PRODUCT DESCRIPTION

Densurf DA 4123is a solvent-based high molecular weight polymer solution used as a wetting and dispersing agent.

It supports the dispersion stability with the steric effects.

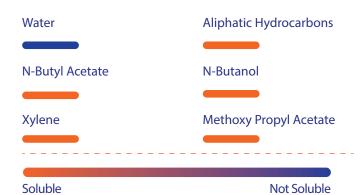
APPLICATIONS & KEY FEATURES

Densurf DA 4123 is a highly effective for the pigment wetting and helps durability of the final product. Densurf DA 4123 improves the color properties and increases the color strength.

The Main Application Areas of the Densurf DA 4123 are:

- Wood Coatings
- Printing Inks
- General Industrial Paints

SOLUBILITY



**Detailed knowledge about the suitable diluents can be asked to the technical support team. The provided diluents are the refferances according to the most common application areas.

STORAGE

Please store the unopened packaging between 5°C - 35°C. The shelf life is at least 24 months for unopened packagings. Close the packaging cap tightly after use.

WARNING! Keep away from the acids, the heat and the moisture.

SPECIAL NOTES

Densurf DA 4123 is developed for all kind of pigments especially for the inorganic pigments with a good color strength.

It can be used for the co-grinding with all kind of solid particle special for the general industrial applications.

TECHNICAL PROPERTIES

- Chemical Structure: Polyether modified copolymer
- Appearance: Clear brown liquid
- Acid Value: 6.00 ± 2.00 mg KOH/g
- Amine Value: 12.00 ± 2.00 mg KOH/g
- Density (20°C) : $1.12 \pm 0.02 \text{ g/mL}$
- Solid Content (10 mins., 160°C): 70.50 ± 1.00 %
- Solvent: Dibasic Ester

SYSTEM

Thermoplastic Acrylic Resins

Acrylic Polyol Resins

Aldehyde Resins

Epoxy Resins

Ketonic Resins

Suitable

Not Suitable

**Detailed knowledge about the compatible systems can be asked to technical support team. The provided systems are the refferances according to the most common application areas.

DOSAGE

Titanium dioxide: 0.50 - 2.00 % (by weight as supplied based on the pigment amount)

Inorganic pigments: 5.00 - 10.00 % (by weight as supplied based on the pigment amount)

Extenders: 0.30 - 0.80 % (by weight as supplied based on the pigment amount)

Co-grinding systems: 0.30 - 1.00 % (by weight as supplied based on the pigment amount)

Organic pigments: 8.00 - 20.00 % (by weight as supplied based on the pigment amount)

Carbon Black: 10.00 - 30.00 % (by weight as supplied based on the pigment amount)

PROCESS RECOMMENDATION

The additve should be added into the millbase and premixed in the binder or solvent before the pigment is added.

This technical data sheets provide directions for the application instructions of the products. These recommendations are in line with the present state of knowledge and do not provide any guarantee. Velimeşe Organize Sanayi Bölgesi Mah. 259. Sok. No:4/1 Ergene / Tekirdağ / Türkiye | T: +90 (282) 674 54 00 | F: +90 (282) 674 50 01 | info@densurf.com | www.densurf.com | Document No: FR.04-001 Publish Date: 11.03.2022 | Revision Date: 01.03.2025 | Revision No: 001 | Info. Label: Public