

Densurf SM 111

Surface Modifier

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PRODUCT DESCRIPTION

Densurf SM 111 is an organo-modified polydimethylsiloxane surface modifier used in solvent-based and solvent-free systems.

APPLICATIONS & KEY FEATURES

Densurf SM 111 is featured for the high surface tension reduction and the good surface levelling for solvent-based systems. It can contribute to the surface slip effect

The main application areas of the Densurf SM 111 are:

- General Industrial Paints
- Automotive and Marine Coatings
- Printing Inks

SOLUBILITY

Water	Butyl Glycol Acetate
	
N-Butyl Acetate	N-Butanol
	
Butyl Glycol	Ethanol
	
	
Soluble	Not Soluble

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

STORAGE

Please store the unopened packaging between 5°C - 35°C.
The shelf life is at least 60 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 SM 111 has an excellent surface tension reduction effect with an enhanced levelling

Densurf SM 111 contributes to surface slip and gloss enhancement.

TECHNICAL PROPERTIES

- Chemical Structure: Polyether modified polysiloxane
- Appearance: Clear slightly yellow liquid
- Solid Content (10 mins., 160°C): 97.00 ± 3.00 %
- Ionic Structure: Nonionic
- Density (20°C): 1.03 ± 0.02 g/mL

SYSTEM

Acrylic Polyol Resins	Epoxy Resins
	
Polyurethane Dispersions	Alkoxy Silane Resins
	
Solvent-Based Resins	Solvent-Free Resins
	
	
Suitable	Not Suitable

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The provided systems are the references according to the most common application areas.

DOSAGE

Recommended amount: 0.05 - 1.00 % (by weight as supplied based on total formulation)

Note: Amounts mentioned above are just a recommendation. Please make laboratory tests to specify the optimum amounts.

PROCESS RECOMMENDATION

Product can be incorporated during any stage of the production process.

It can be diluted with the suitable solvent. Dilution is recommended to make the dosage easier.

It is recommended to test the foam formation of the product and the overcoat adhesion of the system.