

Densurf TBT

Tetra-N-Butyl Titanate

PRODUCT DESCRIPTION

DENSURF TBT is a highly reactive organic alkoxy titanate with the 100.00 % active content.

Uses to accelerate the curing reactions of the alkoxy silane resins at the ambient conditions.








APPLICATIONS & KEY FEATURES

It accelerates the hydrolization reactions. It is used as a Lewis acid in reactions such as the esterification, the transesterification, the condensation and the addition.

The Main Application Areas of the Densurf TBT are:

- Reaction Catalyst
- Sol-Gel Reaction Compound
- Hydrolization Agent

SOLUBILITY

Water	Aliphatic Hydrocarbons
	
N-Butyl Acetate	N-Butanol
	
Aromatic Hydrocarbons	Ethanol
	
	
Soluble	Not Soluble

**Detailed knowledge about the suitable diluents can be asked to the technical support team. The provided diluents 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 12 months for unopened packagings. Close the packaging cap tightly after use.

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

SPECIAL NOTES

It is used for the alkoxy silane hydrolization as a catalyst.

It is able to be a part of the lattice structure when used in the heat resistant silicone resin.

It can support flexibility of the silicone resin.

TECHNICAL PROPERTIES

- Chemical Structure: organic alkoxy titanate
- Appearance: Clear yellow liquid
- Solid Content (10 mins., 160°C): 100.00 %

SYSTEM

Alkoxy Silane Resins



Esterification Reactions



Polyurethane Reactions



Ring Opening Polymerization



Sol-Gel Reactions



Alkyd Resins



Suitable

Not Suitable

**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.

DOSAGE

Recommended amount; 0.50 - 1.00 % (by weight as supplied based on the total amount of the resin in the formula)

Note: Amounts mentioned above are just a recommendation.

Please make laboratory tests to specify the optimum amounts.

PROCESS RECOMMENDATION

It is preferably added before the application to prevent the undesired pre-reactions.