

DENSURF TBT

Tetra-n-butyl titanate

PRODUCT DESCRIPTION

DENSURF TBT is a highly reactive organic alkoxy titanate with 100% active content.

- Uses to accelerate curing reactions of silalkoxy resins at ambient conditions.

APPLICATIONS

- It accelerates the crosslinking of –OH functional polymers.
- It can be used as an adhesion promoter.
- It is used as Lewis acid in reactions such as esterification, transesterification, condensation and addition.

SOLUBILITY

Organic Solvents



Soluble



Partly Soluble



Not Soluble

STORAGE

- Store between 5°C-35°C.
- The shelf life is at least 12 months in the unopened original packaging from the date of manufacture when stored at recommended conditions.
- Close the packaging cap tightly after use.
- WARNING! Very sensitive to moisture.
- WARNING! Keep away from acids, heat and moisture.
- WARNING! Decomposes quickly in water.

TECHNICAL PROPERTIES

- Chemical Structure: Organic alkoxy titanate
- Molecular weight(g/mol): 340
- Appearance: Clear/Yellow liquid
- Refractive index (20 °C): 80 ±2

SYSTEMS

Silalkoxy Functional Silicone Resins



Suitable



Partly Suitable



Not Suitable

DOSAGE

Recommended amount; 0.8-1.2% (by weight as supplied based on the total amount of 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 application to prevent undesired pre-reactions.