

ChangFu® TPOS

Tetrapropoxysilane



Description ChangFu® TPOS functions not only as an effective coupling and crosslinking agent in paints and coatings, but also as a surface modification agent for silica in silicone rubber. Furthermore, it works well as an RTV crosslinking agent. It is also an important precursor for the production of aerogels and silicon microspheres.

Features & Benefits High reactivity and lower volatility.
Excellent wettability and dispersibility.
Can undergo hydrolysis reaction in the presence of water or moisture.
High-performance crosslinking agent with adjustable crosslinking degree.
Good stability throughout storage and use.

Applications Used as a coupling agent, a crosslinking agent and a filler modifier in paints and coatings, adhesives and sealants, electronic and aerospace components industries.
Used for the synthesis of silicone resin with high temperature resistance performance.
Used as a surface treatment agent of fibers, ceramics, metals, glass, and other inorganic substrates.
Used as a key raw material for the production of construction sealing materials.

Typical Properties

Product No.	ChangFu® TPOS
Description	Tetrapropoxysilane; Tetrapropyl Orthosilicate
CAS No.	682-01-9
Formula	C ₁₂ H ₂₈ O ₄ Si
Purity	min 98%
Color	Colorless or light yellow
Appearance	Clear liquid

Package Offered in 25L PE pails and 200L PVF steel drums.
Custom packaging is available.

Storage Stored in a cool, well-ventilated place.
Keep container tightly closed.

Transportation See the corresponding Safety Data Sheet.