

CFS-104, Tetraethyl orthosilicate

CFS-104, Tetraethyl orthosilicate is the ethyl ester of orthosilicic acid. It is widely used as the equivalent of Dynasylan® SILBOND® Pure, Momentive Silquest TEOS, and ShinEtsu KBE-04.

Typical Properties:

Chemical Name	Tetraethyl orthosilicate
Synonyms	Tetraethoxysilane; Ethyl silicate; TEOS
Cas No	78-10-4
Formula	C ₈ H ₂₀ O ₄ Si
Color	Colorless
Appearance	Clear liquid
Purity	min 99%

Applications:

CFS-104 is an important material for sol-gel processing. It can be used as a crosslinker and a binder in adhesives, coatings and silicone rubbers, especially suitable for zinc-rich paints.

CFS-104 can be used for the surface treatment of metals, glass, fibers, inorganic fillers and pigments. It can improve mechanical properties and chemical properties of the composites.

CFS-104 can be used for optical glass processing and improve the light transmittance.

CFS-104 can be used as an insulation material in electronic industry and a silica source for semiconductors and zeolites synthesis.

Packaging:

CFS-104 is offered in 25L PE pails, 200L PVF steel drums and 1000L IBC totes.

Please contact Co-Formula team for any special packaging request.

Storage:

CFS-104 should be stored in a cool, well-ventilated place, and avoid exposure to humidity.

CFS-104 should be stored in its original containers and used up asap after opening.

When stored in a strictly sealed and unopened container, CFS-104 has a shelf life of 12 months.