

Technical Data Sheet

CFS-062, Tetraethyl orthosilicate 40

CFS-062, Tetraethyl orthosilicate 40 is the ethyl polysilicate with a minimum SiO₂ content of 40%. It is mainly used as an important intermediate for a wide range of applications. It is the equivalent of Dynasylan® SILBOND® 40.

Typical Properties:

Chemical Name	Tetraethyl orthosilicate 40
Synonyms	Tetraethoxysilane hydrolysate; Ethyl silicate 40; TEOS 40; Si 40
Cas No	11099-06-2
Formula	N/A
Color	Colorless
Appearance	Clear liquid
SiO ₂ Content	40~42%

Applications:

CFS-062 is an important material for sol-gel processing. It can be used as a crosslinking agent, a binder or a drying agent in adhesives and coatings.

CFS-062 can be used to deposit silicic acid and improve the bonding to various inorganic substrates such as metals, glass, fibers, inorganic fillers and pigments. It can improve mechanical properties as well as chemical and thermal stability of the composites.

CFS-062 can be used for the synthesis of cold curing silicone rubbers.

CFS-062 can be used to replace CFS-104(Tetraethyl orthosilicate, or TEOS) with higher SiO₂ content to reduce costs.

Packaging:

CFS-062 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-062 should be stored in a cool, well-ventilated place, and avoid exposure to humidity.

CFS-062 should be stored in its original containers and used up asap after opening.

When stored in a strictly sealed and unopened container, CFS-062 has a shelf life of 12 months.