

Technical Data Sheet

CFS-845, Tetramethyl orthosilicate

CFS-845, Tetramethyl orthosilicate is a chemical compound containing four methoxy groups bonded to a silicon atom. It has similar basic properties to CFS-104(Tetraethyl orthosilicate, TEOS). CFS-845 is the equivalent of Dynasylan M.

Typical Properties:

Chemical Name	Tetramethyl orthosilicate
Synonyms	Tetramethoxysilane; Methyl silicate; TMOS
Cas No	681-84-5
Formula	C ₄ H ₁₂ O ₄ Si
Color	Colorless
Appearance	Clear liquid
Purity	min 99%

Applications:

CFS-845 has similar application fields to CFS-104, TEOS. But CFS-104 is usually preferred because of its eco-friendlier hydrolysis product, ethanol.

CFS-845 can be used as a crosslinking agent, a binder or a drying agent in adhesives, coatings and silicone rubbers. It is an important material for sol-gel processing.

CFS-845 can be used as an intermediate for the preparation of organic silicone products.

CFS-845 can be used for optical glass processing and improve the light transmittance.

CFS-845 can be used as an insulation material in electronic industry and a silica source for semiconductors.

Packaging:

CFS-845 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-845 should be stored in a cool, well-ventilated place, and avoid exposure to humidity.

CFS-845 should be stored in its original containers and used up asap after opening.

When stored in a strictly sealed and unopened container, CFS-845 has a shelf life of 12months.