

# Technical Data Sheet

ChangFu® CAP32

N-[5-(Trimethoxysilylpropyl)-2-aza-1-oxopentyl]caprolactam



**Description** ChangFu® CAP32 is a chemical compound combining the functionalities of both silane and caprolactam. The silane structure endows the compound with excellent weather resistance and corrosion resistance, while the caprolactam provides compatibility and reactivity with polymers such as nylon 6.

**Features & Benefits** Caprolactam silane.  
Able to enhance the strength and compatibility of Polyamide resin.  
Better choice than conventional amino silanes.

**Applications** Used in nylon modification as a modifier and significantly enhance the strength and improve compatibility of Polyamide.  
Used as a coupling agent and a surface modifier in the preparation of coatings, adhesives, and specialty fibers.

## Typical Properties

Description	N-[5-(Trimethoxysilylpropyl)-2-aza-1-oxopentyl]caprolactam
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Product No.	ChangFu® CAP32
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CAS No.	106996-32-1
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Formula	C13H26N2O5Si
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Purity	min 95%
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Color	Colorless or light yellow
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Appearance	Clear liquid
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**Package** Offered in 25L pails and 200L drums.  
Custom packaging is available.

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

**Transportation** See the corresponding Safety Data Sheet.