

### ChangFu® MPE32

Monomethyl (ethylene glycol) propyltrimethoxysilane



**Description** ChangFu® MPE32 is a ready-to-use silane made of a polyether chain linked to a trimethoxysilane group. Its special structure gives it water solubility, surface activity, and the ability to boost adhesion to inorganic surfaces. Unlike most other organofunctional silanes, it has chemical polarity but does not take part in chemical reactions and can act as a hydrophilic compatibilizer.

**Features & Benefits** Dual functionality.  
Hydrophilic compatibilizer.  
Wettability and dispersibility.

**Applications** Used as a treatment agent for glass fibers or mineral fillers to improve the mechanical strength and hydrolysis resistance of composite materials.  
Used as an end-capping agent or cross-linking agent in silane-modified polymers to enhance the bonding strength to inorganic substrates.  
Used for the pre-treatment of fillers or pigments, thereby enhancing the gloss of typical coatings.

### Typical Properties

|                              |                                                                                                 |
|------------------------------|-------------------------------------------------------------------------------------------------|
| Product No.                  | ChangFu® MPE32                                                                                  |
| Description                  | Monomethyl (ethylene glycol) propyltrimethoxysilane                                             |
| CAS No.                      | 65994-07-2                                                                                      |
| Formula                      | (C <sub>2</sub> H <sub>4</sub> O) <sub>n</sub> C <sub>7</sub> H <sub>18</sub> O <sub>4</sub> Si |
| Color                        | Colorless or light yellow                                                                       |
| Appearance                   | Clear liquid                                                                                    |
| SiO <sub>2</sub> content (%) | 8.5-10.3                                                                                        |

**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.