

ChangFu® BEN33

Bis[3-(triethoxysilyl)propyl]ethylenediamine



Description ChangFu® BEN33 is a bifunctional silane that consists of two secondary amines and six hydrolysable ethoxy groups. The unique structure endows it with excellent physical and chemical properties, which make it useful for adhesion promotion and surface modification.

Features & Benefits Dipodal silane with high reactivity.
Effective coupling agent and surface modifier.
Able to form up to 6 bonds to inorganic substrates.
Better performance can be obtained when used in combination with conventional silanes.

Applications Used as a coupling agent and a crosslinking agent in the preparation of various polymers such as coatings, sealants, and adhesives.
Used as a surface treatment agent for metals such as steel, aluminum, to enhance corrosion resistance and improve adhesion strength.
Used to prepare hybrid silica membranes which show higher selectivity, improved thermal stability, and chlorine resistant performance.

Typical Properties

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|-------------|---|
| Description | Bis[3-(triethoxysilyl)propyl]ethylenediamine |
| Product No. | ChangFu® BEN33 |
| CAS No. | 30858-91-4 |
| Formula | C ₂₀ H ₄₈ N ₂ O ₆ Si ₂ |
| Purity | min 95% |
| Color | Colorless or light yellow |
| Appearance | Clear liquid |

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.