



Technical Data Sheet

ITCO SIL™ MATS 7203 (3-Methacryloxypropyltrimethoxy Silane)

Synonyms	3-(Trimethoxysilyl) propyl methacrylate; Methacrylic Acid 3-(Trimethoxysilyl)Propyl Ester; gamma Methacryloxy propyl trimethoxy silane; 2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester
CAS No.	2530-85-0
EINECS No.	219-785-8
Molecular Formula	C ₁₀ H ₂₀ O ₅ Si
Molecular Structure	
Molecular Weight	248.35

Test	Unit	Specification
Color and Appearance	-	Colorless clear liquid
Purity	%	≥ 98.0%
Color	APHA	≤ 25
Density (25°C)	g/cm ³	1.0445 ± 0.0055
Refractive Index (25°C)	-	1.4290 ± 0.0010

Application

- **ITCO SIL™ MATS 7203** is mainly used in unsaturated polyester composite material to improve the mechanical property, electric property, photic property, especially, greatly improve the wet property of composite material.
- Invasive treatment (containing this coupling agent) to glass fibre, can improve the wet mechanical property and electric property of glass fibre reinforced composite material.
- In wire and cable industry, when used to treat EPDM system stuffed by pottery clay and crosslinked by peroxide, it can improve consumption factor and specific inductance captance.
- Polymerize with vinyl acetate and acrylic acid or methyl acrylic acid monomer. These polymers are widely used in coating, adhesive and sealing agent, providing excellent adhesion and durability.

Packaging

25Kg/ 200Kg Drum or 1000kg IB

Storage and Handling

Store in a cool, dry place. Avoid sunshine and moisture.

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