

Manta MS4000H

Silyl-Terminated Polyether

Description

Manta MS4000H is a Silyl-Terminated Polyether (STPE) engineered as the high-performance backbone for moisture-cured sealants, adhesives, and coatings. Trusted across diverse industrial sectors, Manta MS4000H delivers an optimized balance of long-term durability, high reactivity, and superior storage stability. This exceptional performance profile is achieved by fusing a robust polyether backbone with precision-engineered methyldimethoxysilane functional groups.

Typical Physical Properties

Manta code:	MS4000H
Chemical Name:	Silane terminated polyether
Appearance	Slight yellow viscous liquid
Viscosity (25°C) / mPa·s:	15000-30000
Gravity(g/cm ³)	1.002 ~ 1.005
Flash Point	> 100°C
Water-Soluble	Virtually Insoluble
Surface drying time (min):	30
Tensile strength (MPa):	≥ 0.4
Elongation at break:	≥ 100
Hardness (Shore A):	≥ 20
pH value:	6.0 ~ 9.0
Activity:	Low-Medium Activity
Modulus:	Medium Modulus

Properties

- Enhanced Hardness & Structural Rigidity: Ideal for high-modulus sealants and structural adhesives requiring high Shore A hardness.
- Accelerated Productivity: Delivers a significantly faster tack-free time, enabling quicker handling and shorter production cycles.

Applications

MS4000N is a key resin raw material for the production of

- Industrial Sealant/Adhesive
- Transportation Adhesive/Sealant
- Construction Adhesive
- Product Assembly Adhesive

Packing

50kg plastic drum lined with aluminum foil bag; 200kg drum lined with aluminum foil bag;
1000kg IBC/Tote;
Can be customized.

Safety and Storage

Keep in a cool and dry place and avoid storage in direct sunlight. Shelf life is 12 months. It is non-hazardous substance.

Contact Information

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