MANTA

Technical Data Sheet

Version: 1.0

Manta MS2628

Silyl-Terminated Polyether

Description

Manta MS2628 is a low-viscosity silyl-terminated polyether (STPE) with moisture-reactive silyl functional groups for moisture-curing adhesives and sealants. It is designed for a balance of fast reactivity, high hardness and storage stability.
MS2628 is suitable for hot and cold blending and allows high filler loadings while maintaining processability. It gives a short tack-free time and develops a high modulus shortly after application.
Formulations based on MS2628 can be solvent-free and isocyanate-free.
Performance similar to Kaneka SAX260.

Typical Physical Properties

Manta Code:	MS2628
Chemical Name:	Silyl-terminated polyether (STPE)
Appearance:	Light yellow viscous liquid
Viscosity (25 °C):	6,000 – 9,000 mPa·s
Density (25 °C):	1.002 – 1.005 g/cm³
pH Value:	6.0 – 9.0
Modulus:	High

Properties

■ High modulus and hardness: suitable for high-modulus sealants and structural adhesives requiring high Shore A hardness.
■ Curing: designed for a short tack-free time, allowing quicker handling and shorter production cycles depending on the formulation.

Applications

Manta MS2628 is suitable for:

• Flooring adhesives
• Industrial adhesives
• General-purpose adhesives

Processing

The silane end groups of Manta MS2628 hydrolyze on contact with water or atmospheric moisture, releasing methanol, and condense to form a siloxane network. Store and process the polymer with moisture excluded.
Dry fillers and pigments before use. Vinyltrimethoxysilane (VTMO) is commonly used as a water scavenger to improve the storage stability of the formulated product.
Fillers, plasticizers, catalysts and additives commonly used in silane-terminated polymer formulations can be used; their type and level should be confirmed by testing in the specific formulation.

Packing

50 kg plastic drum with aluminum-foil liner bag;

200 kg drum with aluminum-foil liner bag;

1,000 kg IBC (tote);
Other pack sizes available on request.

Safety and Storage

Store in the tightly closed original container in a cool, dry place, protected from moisture and direct sunlight. Shelf life: 12 months from the date of production when stored as recommended. The product is classified as non-hazardous. Refer to the current Safety Data Sheet (SDS) for safety, handling and transport information.

Note: The values in this data sheet are typical values and are not intended for use in preparing specifications. Users should test the product to determine its suitability for their specific application.

Contact Information

Nanjing Manta New Material Co., Ltd
Add: Room 102-247, Building 17, No. 1 Qiliqiao North Road, Nanjing Area of the China (Jiangsu) Pilot Free Trade Zone, Nanjing, China
Factory: Miaoguan Town Industrial Park, Sishui County, Jining City, Shandong Province, China
Mob: +86 18961071292
Mail: inquiry@mantasil.com Web: www.mantasil.com