



# PMT-3010H

## Thermoplastic Polyolefin (TPO) Waterproofing Membrane

### Product Description

PMT-3010H Thermoplastic Polyolefin (TPO) Waterproofing Membrane of Oriental Yuhong is made by co-extrusion with high-quality TPO resin as the main raw material, as well as flame retardants, light shielding agents, antioxidants, light stabilizers, and other materials, which is curled in a cylindrical shape. The paper core is made of pulp fibres, and the product is packaged in nylon bags externally.

The layers of the sheets from top to bottom are surface functional layer and TPO resin layer, respectively. The surface functional layer is of colourless transparent resin patented by Yuhong, and the TPO resin layer is white. When using, the surface functional layer should be laid upward.

### System Structure



### Features & Benefits

- Hot air welding – Homogenous Joints.
- Excellent Weather Resistance and Durability (No plastizer in TPO that affects service life).
- Excellent Low Temperature Resistance (Membrane flexibility maintained even at  $-40^{\circ}\text{C}$  .
- Energy Saving ,Environmental Friendly, Excellent reflectivity that can reflect most of the sunlight radiation thus reducing energy consumption.
- Variety of colors are available and patented function layer on the surface are not easy to adsorb dust, which is beneficial for maintaining a higher solar reflectivity coefficient.

### Packing and Specifications

Item	Description
Product category	Homogeneous type (PMT-3010H)
Width (m)	2.0
Thickness (mm)	1.2, 1.5
Length (m)	25
Coverage(m <sup>2</sup> /roll)	50

Remarks: Membrane Sizes can be customized.

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## Typical Properties and Characteristic

Test Items	Technical Indicator	Typical Value
Tensile strength (GB 27789-2011)	≥ 12.0 MPa	14
Elongation at break (GB 27789-2011)	≥ 500%	620
Heat treatment dimensional change rate (GB 27789-2011)	≤ 2.0%	1.1
Low-temperature bending (GB 27789-2011)	No crack at -40°C	No crack at -40°C

Remark:

The technical indicators and typical values of 1.5mm products are shown in the table. The above membrane testing results can be provided. For other product performance specifications, please refer to the corresponding product test report.

## Application Method

Please refer to our construction video or the construction plan provided by the supplier.

## Application Areas

It is used for the treatment of detailed nodes in TPO sheet roofing and can also be used as a material for repairing large TPO sheet damage.

## Transportation & Storage

**(get organize in format and layout by designer)**

- Storage at sheltered areas (Temperature shall not be higher than 45°C), prevent membrane to be in contact with acid, alkali, oil and organic solvents.
- When transporting, prevent tilt position and cover goods if possible.

## Precautions

- Read the product label and Material Safety Data Sheet (MSDS) before using it. Users should acquaint themselves with all risks & safety phrases.
- Conform to manufacturer's recommendations, material handling and storage specifications.
- Protect all materials from extreme temperature.
- Store and transport rolls in such a manner to prevent bending of the inner core and membrane edge damages.
- To prevent work interruption, it is important to have all the necessary tools and equipment on the job-site when you begin.

## Product Liability

- The above information and suggestions are based on our experience and are for reference only.
- Since Oriental Yuhong Company and its dealers cannot control the storage and handling conditions after delivery, Oriental Yuhong shall not be liable for any quality issues caused by improper use.
- No technical information shall be provided to any third parties without manufacturer's consent.

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