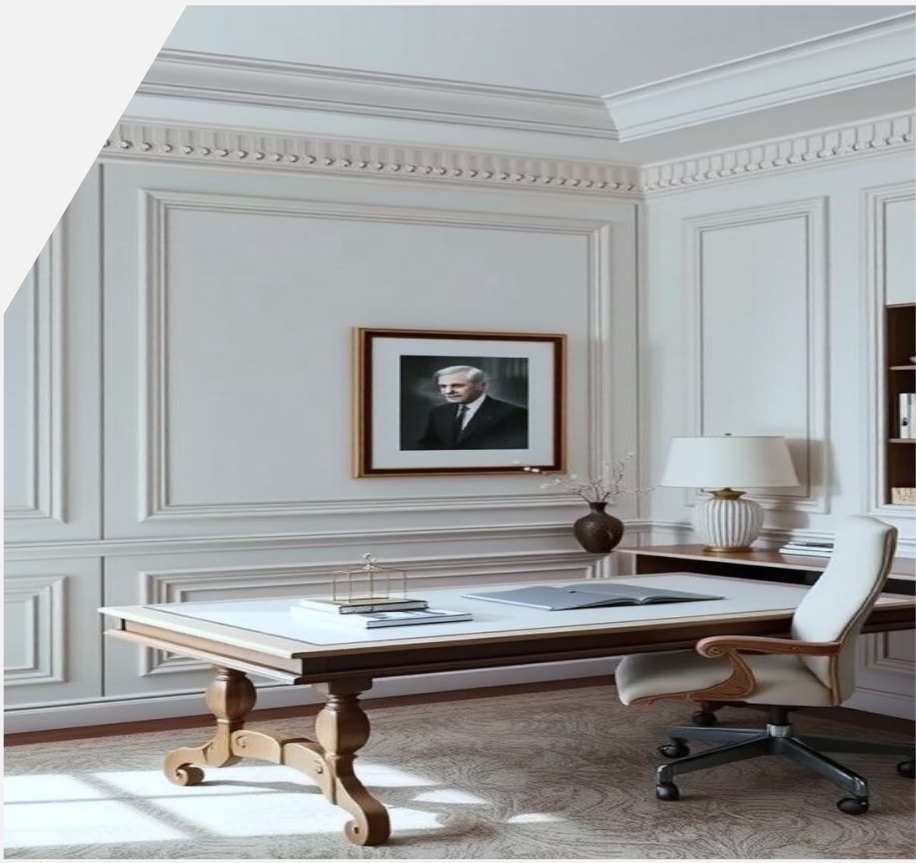
VCAM WOOD

PS Molding

8^{th} Year anniversary



Products 2025

https://www.angkorwood.com

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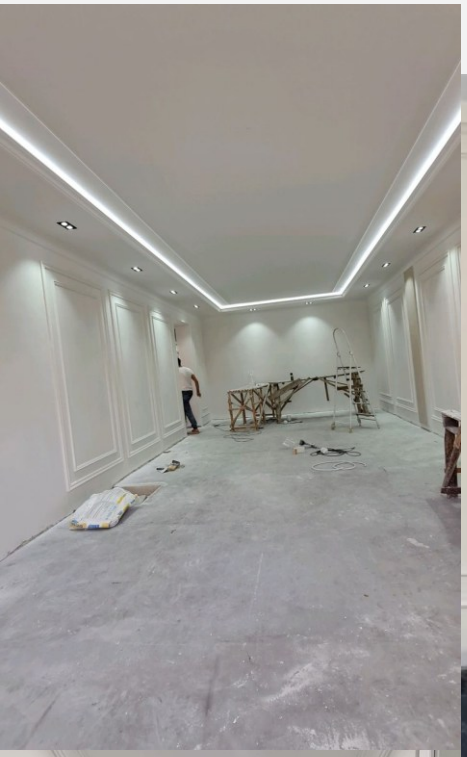
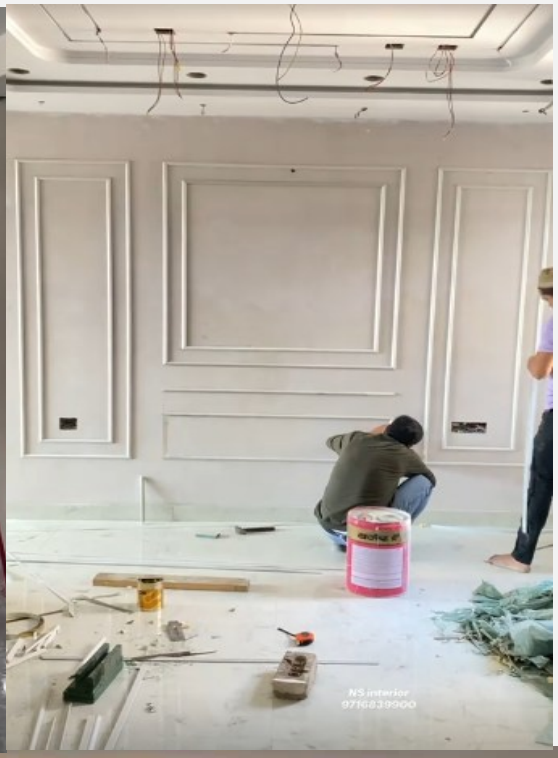
PS Molding 3D

PS Molding Installation





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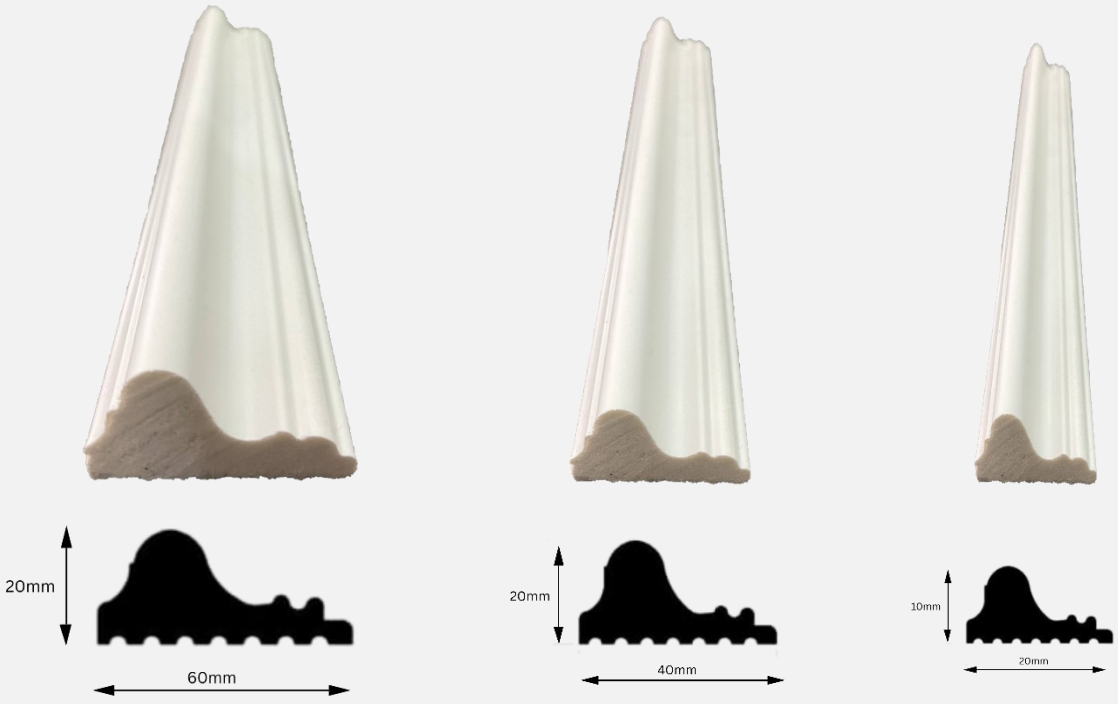
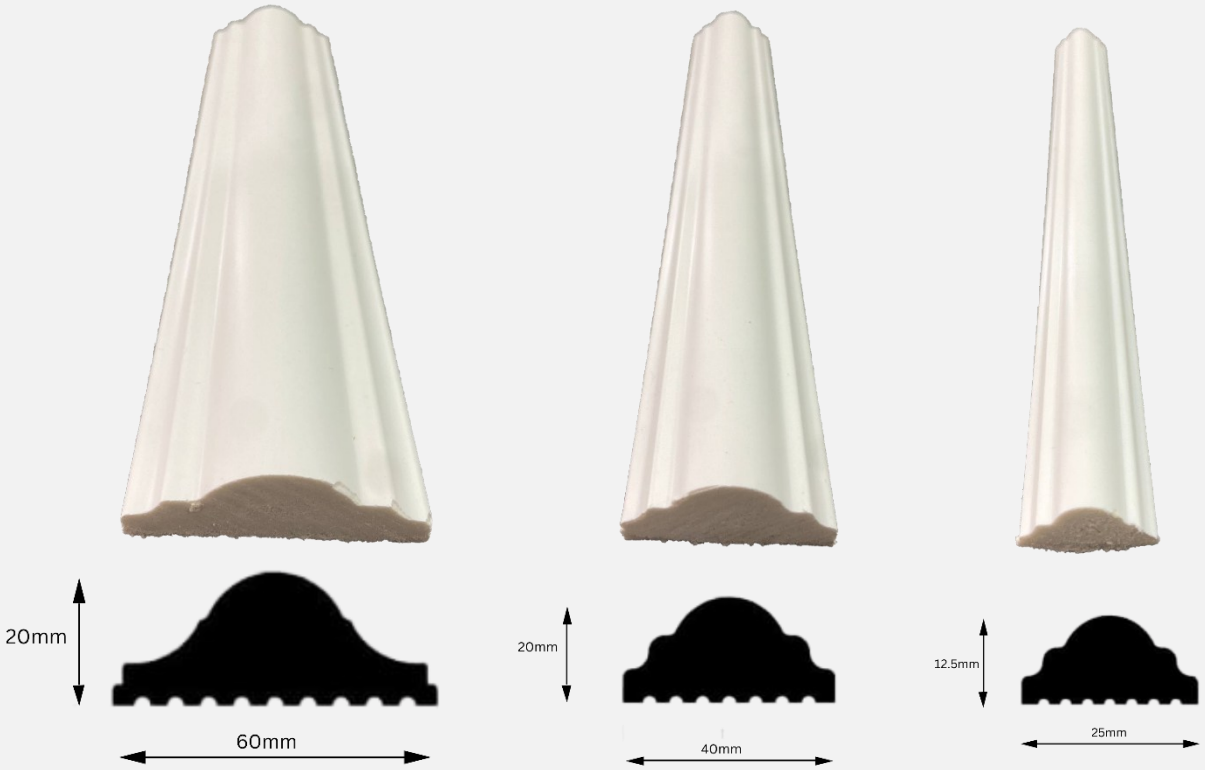
PS Molding

Color Card



2400x60x20mm	2400x40x20mm	2400x20x10mm
25pcs/Cartons	56pcs/Cartons	209pcs/Cartons
6$/pcs	**5$/pcs**	**3.5$/pc**

Color Card



2400x60x20mm

30pcs/Cartons

6$/pcs

2400x40x20mm

49pcs/Cartons

5$/pcs

2400x25x12.5mm

209pcs/Cartons

4$/pcs

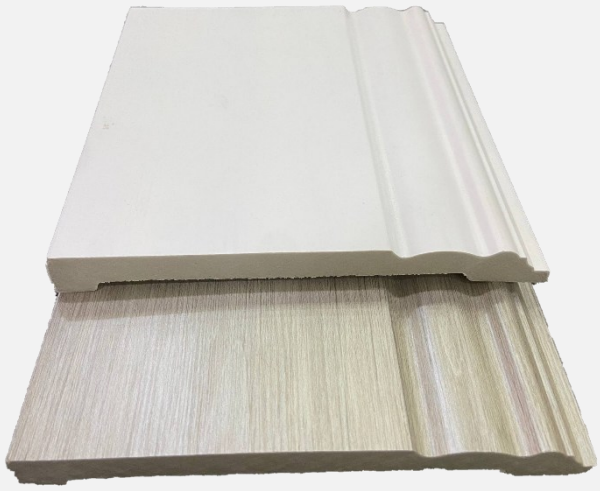
Color Card

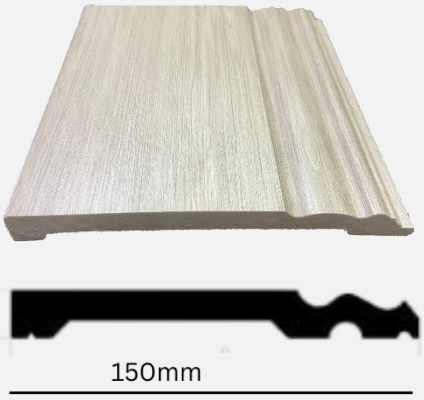
2400x30x30mm

66pcs/Cartons

5$/pcs

Color Card

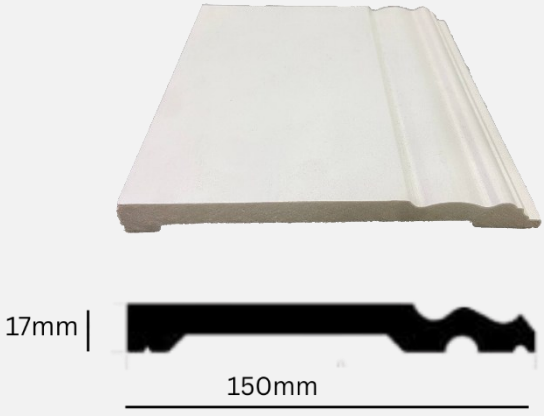




2400x150x17mm

14pcs/Cartons

13$/pcs



2400x150x17mm

14pcs/Cartons

13$/pcs

Color Card

2400x120x15mm

20pcs/Cartons

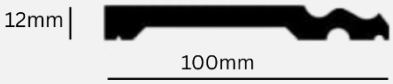
10$/pcs

2400x120x15mm

20pcs/Cartons

10$/pcs

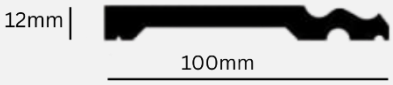
Color Card



2400x100x15mm

20pcs/Cartons

8$/pcs

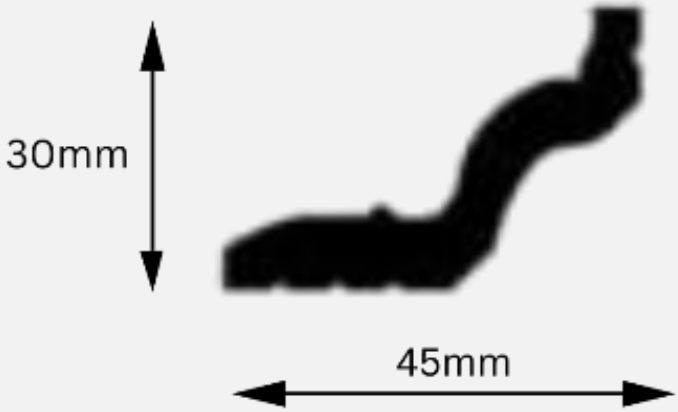


2400x100x15mm

20pcs/Cartons

8$/pcs

Color Card

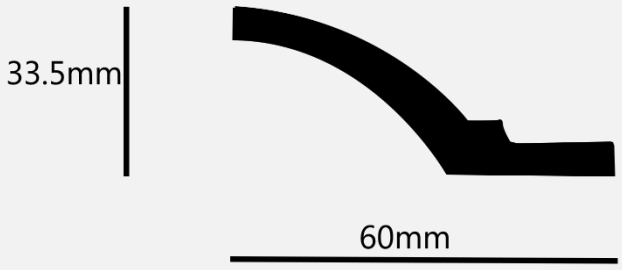


2400x45x30mm

33pcs/Cartons

5$/pcs

Color Card



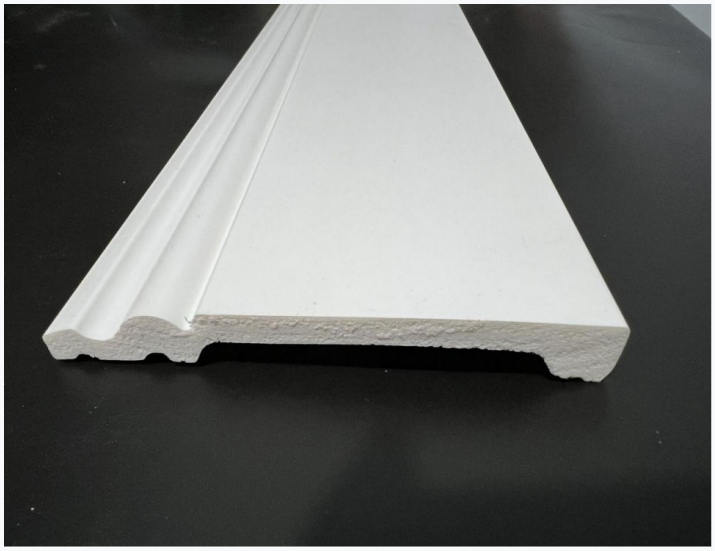
2400x60x33.5mm

40pcs/Cartons

6$/pcs

PS MOLDING

PS Molding composition analysis



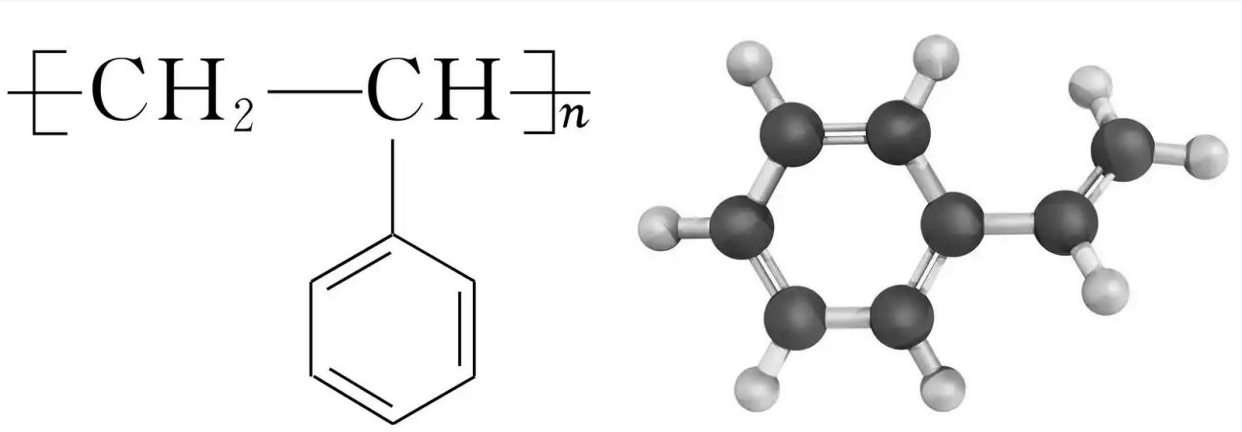
PS (polystyrene) Molding are a common building decoration material. The main components and additives are analyzed as follows: Main chemical components The main base material of PS Molding is polystyrene (chemical formula (C8H8)n), which is a thermoplastic.

Polystyrene is synthesized from styrene monomers via free radical addition polymerization and has the following properties:

1.Colorless and transparent (light transmittance second only to acrylic glass).

2.Excellent electrical insulation properties (especially good high-frequency insulation).

3.It has stable chemical properties and low water absorption and coefficient of thermal expansion.



Common additives

PS Molding typically contain a variety of functional additives to improve performance:

1.Foaming agents, such as pentane, are used in the production of expandable polystyrene (EPS) wall panels.

2.Flame retardants: improve the fire resistance of wall panels

3.Antistatic agents: such as methyl methacrylate (SH-105)

4.Weighting agent: Used to increase the bulk density of foam board.

5.Other functional additives: including plasticizers, stabilizers, etc.

Performance indicators

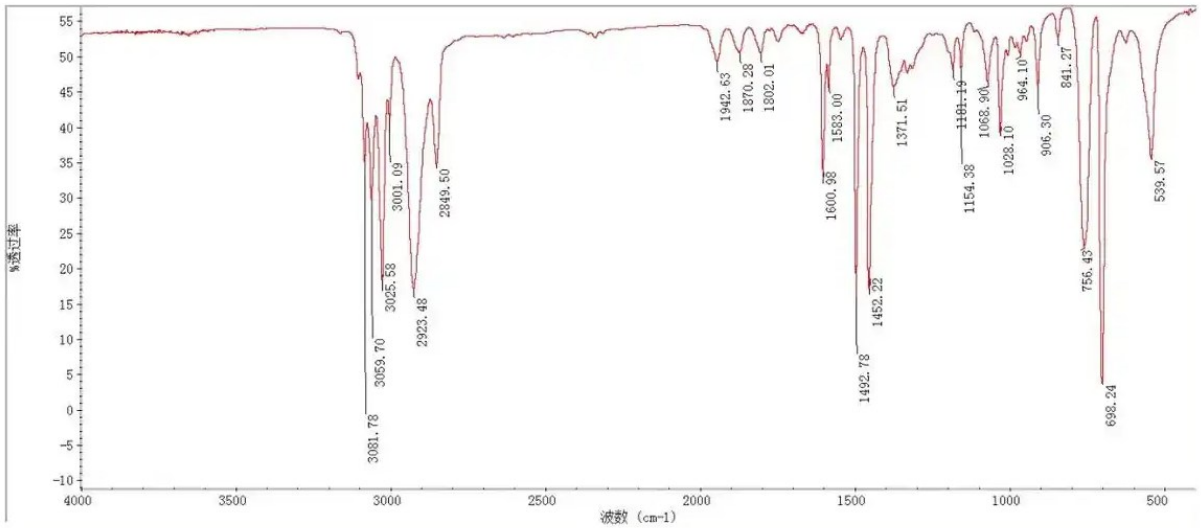
Water absorption rate: should be less than 2%.

Water vapor transmission rate: 1.2

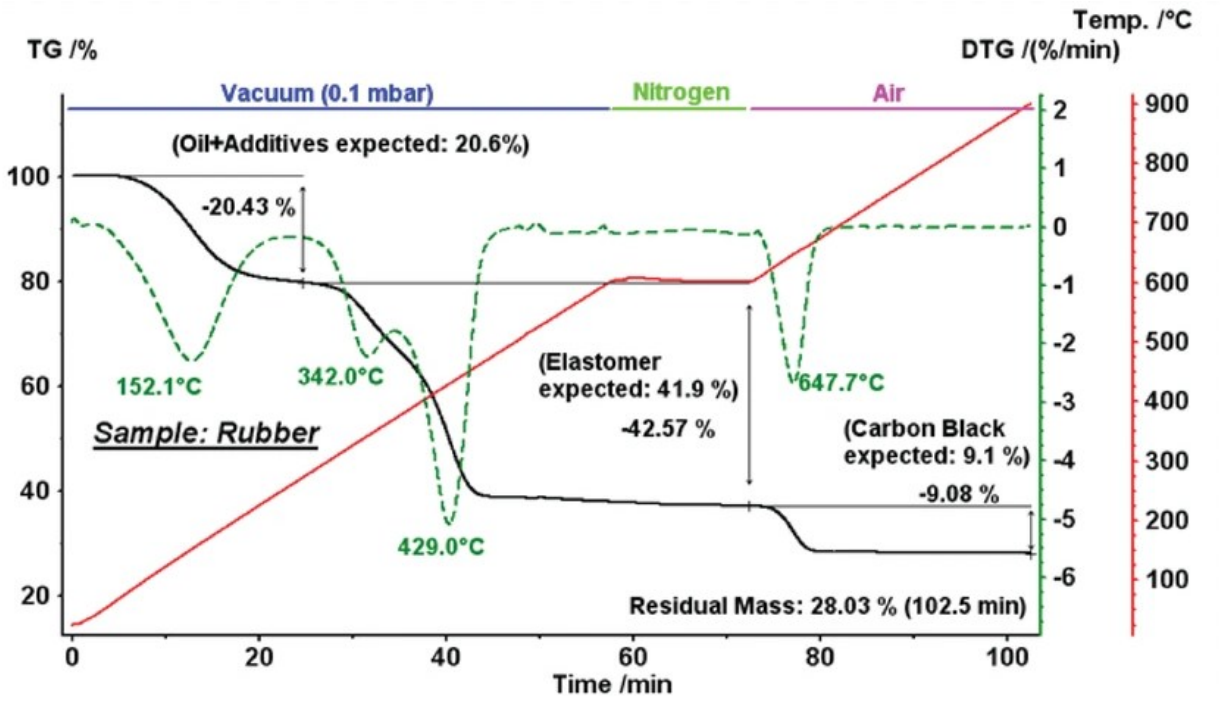
PS Molding have advantages such as light weight, heat insulation, fire resistance, sound insulation, convenient transportation, and low cost, and are widely used in the field of building decoration.

Analytical methods

Infrared spectroscopy analysis: Determining the molecular structure of materials through infrared spectra.



Thermogravimetric analysis (TGA): Determines the thermal stability and component decomposition temperature of materials


Temp. /°C
TG /%
DTG /(%/min)
Vacuum (0.1 mbar)
Nitrogen
Air
(Oil+Additives expected: 20.6%)
-20.43 %
152.1°C
342.0°C
429.0°C
(Elastomer
expected: 41.9 %)
-42.57 %
647.7°C
(Carbon Black
expected: 9.1 %)
-9.08 %
Sample: Rubber
Residual Mass: 28.03 % (102.5 min)
Time /min

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PS Molding Installation Guide

1. Wall Preparation

Concrete

Gypsum board

Plywood

✓ Clean, dry, flat wall surface

✓ Concrete / Gypsum board

✓ Plywood

VCAM WOOD

PS Molding Installation Guide

2. Apply Adhesive

– Construction adhesive / MS glue

– Apply zigzag or dot pattern on back of molding

– Add extra glue to edges

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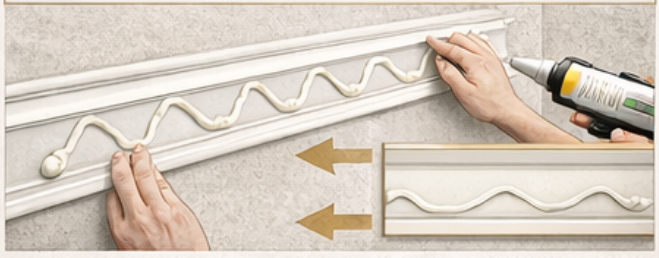
3. Fix Molding to Wall



– Press firmly to wall

– Use spirit level to make straight line

– Temporary tape or nail gun (optional)

VCAM WOOD

4. Corner & Joint Installation

– 45° cutting for corners

– Joint gap ≤ 1mm

– Use matching silicone or filler