

# Permalyn™ 6110-M Synthetic Resin



Permalyn™ 6110-M is a high softening point, light color thermoplastic resin; it is a pentaerythritol ester of gum rosin, specially developed to be used in the Adhesives Industry. The special manufacturing process of this resin allows getting a product, which is highly resistant to oxidation, color retention and has minimum odor.

- Color retention
- Excellent thermoplastic resin
- High oxidation resistance
- High softening point
- Light color
- Minimal odor

For further information regarding this product please refer to:

Synthomer Adhesive Technologies

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Property	Typical Value	Unit	Method <sup>1</sup>
Description, Base Resin	Gum Rosin		
Ring and Ball Softening Point	95	°C	ASTM E 28
Color, Gardner	3 - Neat Molten		
Acid Number (mg KOH/g)	13		

<sup>1</sup> internal method based upon the specified norm

## Applications

Caulks and Sealants, Roadmarking, Additives, Carpet, Packaging Inks, Correction fluids, Labels, PSA Packaging tapes, Coatings, Metal coatings, Protective films, Asphalt and Road Construction, Waterproofings, Other adhesives, Tapes, Wire and cable

## Compatibility and Solubility

Compatible with EVA copolymers, SIS block copolymers, Polychloroprene, pure phenolic resins, SBR, Acrylic Resins, natural gums, amorphous polypropylene, low molecular weight polyethylene, other rosin derivatives, paraffins and chlorinated paraffins.

It is soluble in aromatic and aliphatic hydrocarbons, esters and ketones. Insoluble in methanol, ethanol and water.

## Packaging

Multilayer Kraft paper bags with 25 Kg net, in pieces.

## Storage

This resin is provided in small pieces, since softening temperature is quite low, enables remassification, fusion or agglomeration under the following conditions: 1) High room temperature; 2) Storage near heat sources; 3) Extended storage; 4) Placing in very high piles or the combination of them. The large surface the pieces of resin present make them susceptible to gradual oxidation, which can be more advanced in some batches than others. This can cause darkening and/or affect the resin's solubility in organic solvents and compatibility with polymers. Therefore, we strongly recommend keeping strict control of inventories at all times, and taking special care to ensure that the oldest material is used first. We suggest a shelf life of 6 months for this product.