

## AnchorSil™ 2021 Paper Anchorage Additive

### Product Description

AnchorSil 2021 is a patent-pending reactive modified polysiloxane designed to improve anchorage of Momentive thermally cured solventless release coatings to paper substrates. Originally developed to enable Low Platinum (Pt) formulations using Momentive evolving crosslinker technology to hedge against future Pt price fluctuations, it also can enable Low Temperature curing at standard Pt level formulations as well as Productivity formulations where increased line speeds are desired. In some instances, it can enable various combinations of the three. It is paper substrate dependent, and each paper requires proper screening for the proper Momentive crosslinker to meet the customer's Pt, Speed and Temperature requirements. AnchorSil 2021 paper anchorage additive is another tool in the formulator's toolbox that can now enable customers more latitude to lower formulation cost, increase production and/or save on energy above and beyond what classic addition cure chemistry has provided historically.

### Key Features and Typical Benefits

- Sustainable heat and humidity aged anchorage on papers
- Effective at very low concentrations
- Non-migratory and cures into the matrix
- Enables Low Pt to hedge against future Pt price fluctuations
- Enables Low Temperature at Standard Pt levels to improve Layflat and/or save on Energy for Sustainability
- Enables Increased Line Speeds to maximize Coater Productivity

### Typical Physical Properties

Property	Value	Unit of Measure
Viscosity @ 25°C	95	cst, 25°C (77°F)
Specific Gravity 25/25°C	1.002	g/cm <sup>3</sup> (20°C)
Flash Point (ASTM D56)	108	°C (Closed Cup)
Appearance	Clear Liquid	

Typical properties are average data and are not to be used as or to develop product specifications.

### Potential Applications

AnchorSil 2021 paper anchorage additive may be used with all Momentive vinyl functional solventless thermally cured silicone release coatings for improved anchorage on a variety of paper substrates such as Super Calendered Krafts (SCK's), Clay Coated Krafts (CCK's), Hybrid Clay Krafts (HCK's), Kraft and Glassines.

When properly optimized in combination with the correct Momentive crosslinker in a formulation designed for either Low Pt, Low Temperature and/or Productivity for a particular paper substrate and a particular process condition, the cured coating exhibits sustainable aged heat and humidity anchorage that classic addition cure chemistry has not been able to provide.

AnchorSil 2021 paper anchorage additive is paper substrate dependent and each formulation on each substrate needs to be thoroughly screened to design the optimum formulation to meet the desired goal. Our Application Engineers and Technical Account Managers will work with you to design the best solution.

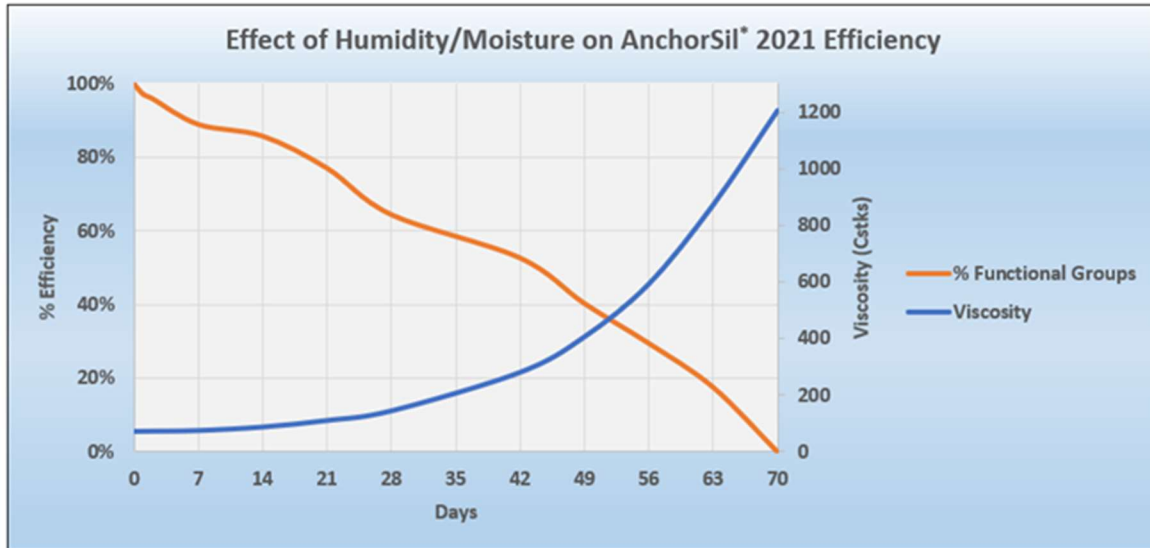
### Product Safety, Handling and Storage

The limited warranty period is 12 months from date of shipment from Momentive Performance Materials if stored in the original unopened container at 25°C (77°F) or below.

AnchorSil 2021 paper anchorage additive should be handled just as a crosslinker is handled. It can generate

flammable hydrogen gas upon contact with strong acids, bases or oxidizing agents. Do not reuse the container. Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment, if necessary, emergency service contact information, and any special storage conditions required for safety.

AnchorSil 2021 paper anchorage additive is also moisture sensitive and will lose efficiency on mid-to-long-term exposure to ambient humidity and moisture. It is extremely important that precautions be provided to ensure that moisture is excluded, or exposure minimized to provide for maximum efficiency.



Note: Test data. Actual results may vary.

Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS documents are available at [www.momentive.com](http://www.momentive.com) or, upon request, from any MPM representative.

### Processing Recommendations

AnchorSil 2021 paper anchorage additive is compatible with all Momentive thermally cured solventless silicone release coatings. For best results, it should be added to the silicone formulation at the same time the crosslinker is added and thoroughly mixed prior to use.

Our Application Engineers and Technical Account Managers will work with you to ensure that formulation parameters of each ingredient are correct.

### Packaging

- 2.5 oz (70 gms) sample
- Box of 24 x 2.5 oz (70 gms) single use vials
- 40-lb (18-kg) pail

### Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement, or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

### Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular application(s).

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