

ANCHORSIL* 2000

anchorage additive

ENGINEERED MATERIALS - RELEASE COATINGS & PSAs



100% active organo-functional polymer that can aid the adhesion of thermally cured solventless silicone release coatings to polyester films.

Key Features and Typical Benefits

- Excellent anchorage promoter for untreated polyester films
- Can be effective in formulation with and without modulator (CRA⁽¹⁾)
- Can be considered for use with in-line as well as for off-line adhesive lamination
- Additive to be considered for use with the standard thermal solventless release coatings from Momentive Performance Materials, e.g.: SilForce* SL6161/SL6625/SL7061 release coatings
- Can promote bonds to PET substrates at web exit of 120-140°C and dwell time of 2-6 sec.
- Maintains anchorage over time with wide range of adhesives, e.g.: water-based acrylic PSA⁽²⁾
- 100% non-hydrolyzable polysiloxane and fully integrated into the PDMS network

⁽¹⁾ Controlled Release Action
⁽²⁾ Pressure Sensitive Adhesive

SilForce SL6625/SL6635/SS4300C

25% of CRA and standard SiH/SiVi ratio

Dwell Time	+3% Anchorsil 2000		+3% Anchorsil 2000		0% Anchorsil 2000	
	With Corona (1.5-2.3KW)		Without Corona		With Corona (1.5-2.3KW)	
	Initial	Aged	Initial	Aged	Initial	Aged
2 sec	No rub off	No rub off	No rub off	Rub off	Rub off	Rub off
3 sec	No rub off	No rub off	No rub off	No rub off	Rub off	Rub off

Oven setting 150 °C, Web exit temp ~130 °C, PET of 23-36 microns.
 Aging Test: Liner laminated with water-based acrylic and aged 65h at 95% RH and 60°C.

Note: Test results. Actual results may vary.

Higher web temperature, longer dwell time and in-line corona treatment have been found to enhance the anchorage. On some substrates and at specific curing conditions, corona treatment may not be necessary as illustrated. Several untreated polyester grades have been successfully tested with our standard SilForce SL6625/SL6635/SS4300C release coating + Anchorsil 2000 anchorage additive system.

Supplier	PET Reference
Jindal	J405
Mitsubishi	Hostaphan RNK
SKC	Skyrol SM30
Toray	Luminor 60.01

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