

Flash4 Product Information

Direct Thermal Synthetic Permanent Adhesive

FACESTOCK

This is a lightweight (62 g/m²) biaxially oriented film with direct thermal coating. Medium degree of sensitivity.

Test Property	Units	Test Method	Typical Value
Basis Weight (25" by 38" -500)	lb.	TAPPI T-410	41.3
Caliper	mils	TAPPI T-411	2.85
Stiffness	mg	TAPPI T-543	58 MD → 48 CD
Tear	grams	TAPPI T-414	18 MD → 18 CD
Brightness	%	TAPPI T-452	> 88
Smoothness (Sheffield)	mL/min	TAPPI T-538	< 30
Smoothness (Parker Print Surf)	um	TAPPI T-555	< 1.5
Initial Activation Temperature (.02 ODU)	°F		187
Effective Activation Temperature (1.0 ODU)	°F		201.9
Optimum Activation Temperature (1.3 ODU)	°F		244.9

ADHESIVE

A general purpose, tackified acrylic permanent that displays excellent adhesion over a broad temperature range while providing aggressive performance.

Test Property	Units	Test Method	Typical Value
Coat Weight 30000 ft ²	lb.	CPD-03	12.0
Loop Tack	oz./in.	CPD-16	38
90° Peel * (ss 20 minute)	lb.	CPD-37	1.6
Shear*	hours	CPD-17	50
Min Application Temp	°F		0 °F
Service Temp Range	°F		-65 °F → 240 °F
FDA 175.105			yes

*Tests performed on 2.0 mil clear BOPP at room temperature and 50% RH.

LINER

Liner is a true premium density SCK with excellent caliper uniformity and consistent release.

Test Property	Units	Test Method	Typical Value
Basis Weight (24" by 36" -500)	lb.	TAPPI T-410	41.5
Caliper	mils	TAPPI T-411	2.45
Tensile	lb./in.	TAPPI T-494	35 MD → 17 CD
Tear	grams	TAPPI T-414	34 MD → 36 CD
Opacity	%	TAPPI T-425	60
Release	g/2"	CPD-34	17

The information presented in the publication is believed to be accurate and is not intended to constitute a specification. The values given reflect average material characteristics. All statements, technical information and recommendations about Flash4 products are based upon tests believed to be reliable, but do not constitute a guarantee or warranty. All products are sold with the understanding that the purchaser has independently determined the suitability of such products of its purpose. No salesperson, representative or agent of Flash4 is authorized to give any guarantee, warranty, or make any representation contrary to the above. The company's standard Terms and Conditions in effect at the time of the sale shall control.