

Flash4 Product Information

Direct Thermal Near IR Permanent Adhesive

FACESTOCK

This is a 55# (82 g/m²) domestic thermal coated paper with good environmental resistance. Scans in the 670-680nm scanning range. Package express type applications.

Test Property	Units	Test Method	Typical Value
Basis Weight (25" by 38" -500)	lb.	TAPPI T-410	55.2
Caliper	mils	TAPPI T-411	3.34
Stiffness	mg	TAPPI T-543	70 MD →50 CD
Tear	grams	TAPPI T-414	43 MD→54 CD
Brightness	%	TAPPI T-452	> 89
Smoothness (Sheffield)	mL/min	TAPPI T-538	< 30
Smoothness (Parker Print Surf)	um	TAPPI T-555	< 1.25
Initial Activation Temperature (.02 ODU)	°F		187
Effective Activation Temperature (1.0 ODU)	°F		234.9
Optimum Activation Temperature (1.3 ODU)	°F		260.1

ADHESIVE

A general purpose acrylic emulsion for paper. Repositions on many low energy plastics.

Test Property	Units	Test Method	Typical Value
Coat Weight 30000 ft ²	lb.	CPD-03	13.1
Loop Tack	oz./in.	CPD-16	42
90° Peel * (ss 20 minute)	lb.	CPD-37	1.2
Shear* (1/2" x 1" x 1kg)	hours	CPD-17	13.9
Min Application Temp	°F		35 °F
Service Temp Range	°F		-65 °F → 200 °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	12

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