

Flash4 Product Information

Direct Thermal Cold Temp Adhesive

FACESTOCK

Direct Thermal 55# (84g/m²) top coated grade with good environmental resistance for weigh scale using standard print speeds.

Test Property	Units	Test Method	Typical Value
Basis Weight (25" by 38" -500)	lb.	TAPPI T-410	55
Caliper	mils	TAPPI T-411	3.2
Stiffness	mg	TAPPI T-543	70 MD → 50 CD
Tear	grams	TAPPI T-414	40 MD → 40 CD
Brightness	%	TAPPI T-452	>90
Smoothness (Sheffield)	mL/min	TAPPI T-538	<25
Smoothness (Parker Print Surf)	um	TAPPI T-555	<1.2
Initial Activation Temperature (.02 ODU)	°F		185.9
Effective Activation Temperature (1.0 ODU)	°F		242.6
Optimum Activation Temperature (1.3 ODU)	°F		293

ADHESIVE

A cold-temperature acrylic adhesive designed to dispense on some of the more difficult thermal labeling equipment.

Test Property	Units	Test Method	Typical Value
Coat Weight 3000 ft ²	lb.	CPD-03	10.8
Loop Tack	oz./in.	CPD-16	32
90° Peel * (ss 20 minute)	lb.	CPD-37	1.2
Shear*	hours	CPD-17	2
Min Application Temp	°F		-10 °F
Service Temp Range	°F		-65 °F → 180 °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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