



**070MK0085340SC**

**Item #: S5065060**

3 ML DIRECT THERM BOPP/853 ALL TEMP ADHESIVE/40 SC LINER

Approximate weight per MMSI: 207 lbs. Standard core size is 3 inches. Total caliper: 6 mils +/- 10%

**FACESTOCK**

A 3.0 mil BOPP direct thermal film. Medium degree of sensitivity. Top coated for durability. Use when moisture and environmental resistance are important. Dark image for excellent ability to be read and scanned.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Basis Weight	lbs/25X38-500	41.1	grams/sq meter	60.8	TAPPI T410
Caliper - Average	mil	3.0	um (micrometer)	76.2	TAPPI T411
Opacity	%	92	%	92.0	TAPPI T425
Tear-MD	grams	28	mN	274.6	TAPPI T414
Tear-CD	grams	21	mN	205.9	TAPPI T414
Tensile-MD	lb/inch	36	kN/m	6.3	TAPPI T494
Tensile-CD	lb/inch	53	kN/m	9.3	TAPPI T494
Stiffness-MD	Gurley (mg)	27	mN	.3	TAPPI T543
Stiffness-CD	Gurley (mg)	43	mN	.4	TAPPI T543
Initial Activation Temp	F	175	C	79	ISO 1924
Effective Activation Temp	F	209	C	98	ISO 1924
Optimum Activation Temp	F	275	C	135	ISO 1924
Area Yield	sq in/lb	11787	sq m/kg	16.9	ASTM E252

**Notes**

<http://gbp.com/coated-direct-thermal-ink-recommendations>

**ADHESIVE**

A cold-temperature acrylic adhesive, with less ooze. Designed to dispense on some of the more challenging thermal labeling equipment.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Caliper - Calculated	mils	0.6	um(micrometer)	15.6	
Shear (1 x 1/2 x 1 kg)	hours	2	hours	2.0	CPD-55
Peel - 180 D SS 20 min	lb/inch	1.1	grams/25 mm	491.1	CPD-52
Peel - 180 D HDPE 20 min	lb/inch	.6	grams/25 mm	267.9	CPD-52
Peel - 180 D LDPE 20 min	lb/inch	.5	grams/25 mm	223.2	CPD-52
Peel - 180 D Glass 20 min	lb/inch	1.1	grams/25 mm	491.1	CPD-52
Peel - 180 D Corrugated 20 min	lb/inch	.5	grams/25 mm	223.2	CPD-52
Min. Applic. Temp.	F	0	C	-18	
Loop Tack Stain Steel	oz/sq inch	32	kg/645 sq mm	.9	CPD-16
Loop Tack HDPE	oz/sq inch	25	kg/645 sq mm	.7	CPD-16
Loop Tack LDPE	oz/sq inch	18	kg/645 sq mm	.5	CPD-16
Loop Tack Corrugated	oz/sq inch	18	kg/645 sq mm	.5	CPD-16
Service Temp.	F	-50 TO 125	C	-46 TO 52	
FDA Compliance	21 CFR	175.105			

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**LINER**

A white densified kraft sheet 41# (67 g/m<sup>2</sup>) with excellent point-to-point caliper control.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Basis Weight	lbs/24X36-500	40.6	grams/sq meter	66.2	TAPPI T410
Caliper - Average	mil	2.4	um (micrometer)	61.0	TAPPI T411
Tear-MD	grams	34	mN	333.4	TAPPI T414
Tear-CD	grams	39	mN	382.5	TAPPI T414
Tensile-MD	lb/inch	40	kN/m	7.0	TAPPI T494
Tensile-CD	lb/inch	17	kN/m	3.0	TAPPI T494

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