



23VTB0085340SC

Item #: S8724860

3.2 MIL DIRECT THERMAL/853 ALL TEMP ADHESIVE/40 SC LINER

Approximate weight per MMSI: 236 lbs. Standard core size is 3 inches. Total caliper: 6.15 mils +/- 10%

FACESTOCK

A 51# (76 g/m²) top coated paper with a bright shade. Holds up well against moisture and oils. Good wet plasticizer resistance. Maintains image integrity when used for labels on meat packaged in packing plants.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Basis Weight	lbs/25X38-500	51.4	grams/sq meter	76.1	TAPPI T410
Caliper - Average	mil	3.15	um (micrometer)	80.0	TAPPI T411
Smoothness (PPS) Print Side	um	1.4	um	1.4	TAPPI T555
Tear-MD	grams	45	mN	441.3	TAPPI T414
Tear-CD	grams	47	mN	460.9	TAPPI T414
Stiffness-MD	Gurley (mg)	101	mN	1.0	TAPPI T543
Stiffness-CD	Gurley (mg)	51	mN	.5	TAPPI T543
Initial Activation Temp	F	190	C	88	ISO 1924
Effective Activation Temp	F	223	C	106	ISO 1924
Optimum Activation Temp	F	248	C	120	ISO 1924

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/m²) 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
Gloss	% @ 75 degrees	57	% @ 75 degrees	57.0	TAPPI T480
Opacity	%	60	%	60.0	TAPPI T425
Tear-MD	grams	35	mN	343.2	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
Brightness	%	76	%		TAPPI T452

Issued: 02/21/18

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