



**095RK0074740SC**

**Item #: S7549860**

4.1 ML DIRECT THERM BOPP/747 PERMANENT ADHESIVE/40 SC LINER

Approximate weight per MMSI: 239 lbs. Standard core size is 3 inches. Total caliper: 7.2 mils +/- 10%

**FACESTOCK**

4.1 mil white BOPP film with direct thermal coating. Top coated for durability. Medium degree of sensitivity.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Basis Weight	lbs/25X38-500	55.5	grams/sq meter	82.1	TAPPI T410
Caliper - Average	mil	4.1	um (micrometer)	104.1	TAPPI T411
Tear-MD	grams	44	mN	431.5	TAPPI T414
Tear-CD	grams	37	mN	362.8	TAPPI T414
Tensile-MD	lb/inch	44	kN/m	7.7	TAPPI T494
Stiffness-MD	Gurley (mg)	95	mN	9687.3	TAPPI T543
Stiffness-CD	Gurley (mg)	128	mN	13052.4	TAPPI T543
Initial Activation Temp	F	167	C	75	ISO 1924
Effective Activation Temp	F	212	C	100	ISO 1924
Optimum Activation Temp	F	300	C	149	ISO 1924

**Notes**

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

**ADHESIVE**

A general purpose, tackified acrylic permanent that displays excellent adhesion over a broad temperature range while providing aggressive performance. Perfect for wine labeling, as it can be used in moist environments. Withstands ice bucket conditions.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Caliper - Calculated	mils	0.7	um(micrometer)	16.6	
Shear (1 x 1/2 x 1 kg)	hours	15	hours	15.0	CPD-55
Peel - 180 D SS 20 min	lb/inch	3.3	grams/25 mm	1473.3	CPD-52
Peel - 180 D HDPE 20 min	lb/inch	1.8	grams/25 mm	803.6	CPD-52
Peel - 180 D LDPE 20 min	lb/inch	1.9	grams/25 mm	848.3	CPD-52
Peel - 180 D Glass 20 min	lb/inch	3.3	grams/25 mm	1473.3	CPD-52
Peel - 180 D Corrugated 20 min	lb/inch	1.5	grams/25 mm	669.7	CPD-52
Loop Tack Stain Steel	oz/sq inch	53	kg/645 sq mm	1.5	CPD-16
Loop Tack HDPE	oz/sq inch	43	kg/645 sq mm	1.2	CPD-16
Loop Tack LDPE	oz/sq inch	28	kg/645 sq mm	.8	CPD-16
Loop Tack Corrugated	oz/sq inch	15	kg/645 sq mm	.4	CPD-16
Loop Tack Glass	oz/sq inch	60	kg/645 sq mm	1.7	CPD-16
Min. App. Temp.	F	0	C	-18	
Service Temp.	F	-65 TO 200	C	-54 TO 93	
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	41	grams/sq meter	66.8	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

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