



# PRODUCT INFORMATION

**096RK0072040SC**

**Item #: S9177360**

4.1 ML DIRECT THERM BOPP/ALL TEMP ADHESIVE/40 SC LINER

Approximate weight per MMSI: 223 lbs. Standard core size is 3 inches. Total caliper: 7.1 mils +/- 10%

### FACESTOCK

4.1 mil white BOPP film with direct thermal coating. Produces a dark image. Top coated for durability. Water and environmental resistant. Use for industrial labeling, ski lift tickets, baggage tags, product labels, and retail shelf labeling.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Basis Weight	lbs/25X38-500 (3300 Sq Ft)	50.0	grams/sq meter	74.0	TAPPI T410
Caliper - Average	mil	4.1	um (micrometer)	104.1	TAPPI T411
Smoothness (PPS) Print Side	um	1.5	um	1.5	TAPPI T555
Tear-MD	grams	31.0	mN	304.0	TAPPI T414
Tear-CD	grams	23.0	mN	225.6	TAPPI T414
Stiffness-MD	Gurley (mg)	67	mN	.7	TAPPI T543
Stiffness-CD	Gurley (mg)	102	mN	1.0	TAPPI T543
Initial Activation Temp	F	171	C	77	ISO 1924
Effective Activation Temp	F	199	C	93	ISO 1924
Optimum Activation Temp	F	300	C	149	ISO 1924

### ADHESIVE

A soft, general purpose, all-temperature acrylic adhesive for paper and film labels. Adheres to a variety of packages in a broad range of temperatures. Meets the TLMI Recycling Protocol TLMI-LRP-2 for paper recycling compatibility.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Shear (1 x 1/2 x 1 kg)	hours	.2	hours	.2	CPD-55
Peel - 180 D SS 20 min	lb/inch	1.5	grams/25 mm	669.7	CPD-52
Peel - 180 D HDPE 20 min	lb/inch	1	grams/25 mm	446.5	CPD-52
Peel - 180 D Glass 20 min	lb/inch	1.7	grams/25 mm	759.0	CPD-52
Peel - 180 D Corrugated 20 min	lb/inch	.6	grams/25 mm	267.9	CPD-52
Loop Tack Stain Steel	oz/sq inch	44	kg/645 sq mm	1.2	CPD-16
Loop Tack HDPE	oz/sq inch	35	kg/645 sq mm	1.0	CPD-16
Loop Tack Corrugated	oz/sq inch	14	kg/645 sq mm	.4	CPD-16
Min. App. Temp.	F	-20	C	-29	
Service Temp.	F	-65 TO 180	C	-54 TO 82	
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 (3000 Sq Ft)	41	grams/sq meter	66.8	TAPPI T410
Caliper - Average	mil	2.400	um (micrometer)	61.0	TAPPI T411
Opacity	%	60	%	60.0	TAPPI T425
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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