



# PRODUCT INFORMATION

**096RK0050440SC**

**Item #: S9194960**

4.1 ML DIRECT THERM BOPP/504 PERMANENT ADHESIVE/40 SC LINER

Approximate weight per MMSI: 231 lbs. Standard core size is 3 inches. Total caliper: 7.2 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)	88	mN	.9	TAPPI T543
Stiffness-CD	Gurley (mg)	128	mN	1.3	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 general purpose acrylic emulsion used primarily with paper substrates.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Caliper - Calculated	mils	0.7	um(micrometer)	18.0	
Shear (1 x 1/2 x 1 kg)	hours	1.7	hours	1.7	CPD-55
Peel - 180 D SS 20 min	lb/inch	1.6	grams/25 mm	714.3	CPD-52
Loop Tack Stain Steel	oz/sq inch	41	kg/645 sq mm	1.1	CPD-16
Min. App. Temp.	F	35	C	2	
Service Temp.	F	-40 TO 160	C	-40 TO 71	
FDA Compliance	21 CFR	175.105			

### 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)	41.0	grams/sq meter	66.8	TAPPI T410
Caliper - Average	mil	2.400	um (micrometer)	61.0	TAPPI T411
Opacity	%	60.0	%	60.0	TAPPI T425
Tear-MD	grams	34.0	mN	333.4	TAPPI T414
Tear-CD	grams	39.0	mN	382.5	TAPPI T414
Tensile-MD	lb/inch	40.0	kN/m	7.0	TAPPI T494
Tensile-CD	lb/inch	17.1	kN/m	3.0	TAPPI T494

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