



095RK0072040SC

Item #: S4101060

4.1 ML DIRECT THERM BOPP/720 ALL-TEMP ADHESIVE/40 SC LINER

Approximate weight per MMSI: 239 lbs. Standard core size is 3 inches. Total caliper: 7.1 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
Smoothness (PPS) Print Side	um	1.5	um	1.5	TAPPI T555
Tear-MD	grams	39	mN	382.5	TAPPI T414
Tear-CD	grams	30	mN	294.2	TAPPI T414
Tensile-MD	lb/inch	44	kN/m	7.7	TAPPI T494
Stiffness-MD	Gurley (mg)	95	mN	.9	TAPPI T543
Stiffness-CD	Gurley (mg)	128	mN	1.3	TAPPI T543
Initial Activation Temp	F	169	C	76	ISO 1924
Effective Activation Temp	F	207	C	97	ISO 1924
Optimum Activation Temp	F	275	C	135	ISO 1924

Notes

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

ADHESIVE

A soft, general purpose, all-temperature adhesive for paper and film labels.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Caliper - Calculated	mils	0.6	um(micrometer)	16.3	
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	1.0	grams/25 mm	446.5	CPD-52
Peel - 180 D LDPE 20 min	lb/inch	1.1	grams/25 mm	491.1	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 LDPE	oz/sq inch	29	kg/645 sq mm	.8	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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ESPECIALISTAS EN MATERIALES AUTO-ADHESIVOS

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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	41	grams/sq meter	66.8	TAPPI T410
Caliper - Average	mil	2.4	um (micrometer)	61.0	TAPPI T411
Opacity	%	60.0	%	60.0	TAPPI T425
Tear-MD	grams	32.6	mN	320	TAPPI T414
Tear-CD	grams	39.8	mN	390	TAPPI T414
Tensile-MD	lb/inch	38.9	kN/m	6.8	TAPPI T494
Tensile-CD	lb/inch	16.0	kN/m	2.8	TAPPI T494

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