



PRODUCT INFORMATION

025NT0053140SC

Item #: S8274460

NTC DIRECT THERMAL FSC/531 REMOVABLE ADHESIVE/40 SC LINER

Approximate weight per MMSI: 223 lbs. Standard core size is 3 inches. Total caliper: 6.2 mils +/- 10%

FACESTOCK

A 51# (75 g/m²) medium sensitivity non-top coated direct thermal paper designed for short duration labels or applications where the label is not exposed to solvents, water, oils, fats or other similar materials. FSC®-certified paper.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Basis Weight	lbs/25X38-500 (3300 Sq Ft)	50.7	grams/sq meter	75.0	TAPPI T410
Caliper - Average	mil	3.2	um (micrometer)	81.3	TAPPI T411
Smoothness (PPS) Print Side	um	1.65	um	1.7	TAPPI T555
Tear-MD	grams	48	mN	470.7	TAPPI T414
Tensile-CD	lb/inch	14	kN/m	2.5	TAPPI T494
Stiffness-MD	Gurley (mg)	100	mN	1.0	TAPPI T543
Brightness	%	88	%	88.0	TAPPI T452
Initial Activation Temp	F	185	C	85	ISO 1924
Effective Activation Temp	F	280	C	138	ISO 1924
Optimum Activation Temp	F	300	C	149	ISO 1924

Notes

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

ADHESIVE

General purpose removable acrylic adhesive for use with paper or film face stocks. Removes from some glass, plastic, and textile surfaces.

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	2.6	hours	2.6	CPD-55
Peel - 180 D SS 20 min	lb/inch	0.30	grams/25 mm	133.9	CPD-52
Peel - 180 D HDPE 20 min	lb/inch	0.35	grams/25 mm	156.3	CPD-52
Peel - 180 D LDPE 20 min	lb/inch	0.37	grams/25 mm	165.2	CPD-52
Peel - 180 D Glass 20 min	lb/inch	0.25	grams/25 mm	111.6	CPD-52
Peel - 180 D Corrugated 20 min	lb/inch	0.90	grams/25 mm	401.8	CPD-52
Loop Tack Stain Steel	oz/sq inch	24	kg/645 sq mm	.7	CPD-16
Loop Tack HDPE	oz/sq inch	18	kg/645 sq mm	.5	CPD-16
Loop Tack LDPE	oz/sq inch	13	kg/645 sq mm	.4	CPD-16
Loop Tack Corrugated	oz/sq inch	7	kg/645 sq mm	.2	CPD-16
Min. App. Temp.	F	40	C	4	
Service Temp.	F	1 TO 140	C	-17 TO 60	
FDA Compliance	21 CFR	175.105			

Notes

This adhesive is not intended for layflat applications.

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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 (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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