



# PRODUCT INFORMATION

**024NT0075740SC**

**Item #: S9233079**

NTC DIR THERMAL FSC/757 PERMANENT ADHESIVE/40 SC LINER

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

## FACESTOCK

A 47# (69.9 g/m<sup>2</sup>) 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)	47.2	grams/sq meter	69.9	TAPPI T410
Caliper - Average	mil	3.100	um (micrometer)	78.7	TAPPI T411
Smoothness (PPS) Print Side	um	1.9	um	1.9	TAPPI T555
Tear-MD	grams	37.0	mN	362.8	TAPPI T414
Tensile-CD	lb/inch	14.3	kN/m	2.5	TAPPI T494
Stiffness-MD	Gurley (mg)	94.8	mN	0.93	TAPPI T543
Brightness	%	86.0	%	86.0	TAPPI T452
Initial Activation Temp	F	167	C	75	ISO 1924
Effective Activation Temp	F	198	C	92	ISO 1924
Optimum Activation Temp	F	208	C	98	ISO 1924

## ADHESIVE

A permanent acrylic adhesive with an aggressive bond to many surfaces, including low-energy plastics and corrugated. Harder adhesive for clean converting. Meets the TLMI Recycling Protocol TLMI-LRP-2 for paper recycling compatibility.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Caliper - Calculated	mils	0.7	um(micrometer)	17.3	
Shear (1 x 1/2 x 1 kg)	hours	5.2	hours	5.2	CPD-55
Peel - 180 D SS 20 min	lb/inch	2.32	grams/25 mm	1035.8	CPD-52
Peel - 180 D HDPE 20 min	lb/inch	1.52	grams/25 mm	678.6	CPD-52
Peel - 180 D LDPE 20 min	lb/inch	1.80	grams/25 mm	803.6	CPD-52
Peel - 180 D Glass 20 min	lb/inch	2.22	grams/25 mm	991.1	CPD-52
Peel - 180 D Corrugated 20 min	lb/inch	*PT	grams/25 mm		CPD-52
Loop Tack Stain Steel	oz/sq inch	43.0	kg/645 sq mm	1.2	CPD-16
Loop Tack HDPE	oz/sq inch	41.0	kg/645 sq mm	1.1	CPD-16
Loop Tack LDPE	oz/sq inch	44.0	kg/645 sq mm	1.2	CPD-16
Loop Tack Corrugated	oz/sq inch	15.2	kg/645 sq mm	.4	CPD-16
Loop Tack Glass	oz/sq inch	33.0	kg/645 sq mm	.9	CPD-16
Min. App. Temp.	F	32	C	0	
Service Temp.	F	-58 TO 199	C	-50 TO 93	
FDA Compliance	21 CFR	175.105			

### Notes

\* Corrugated Tear during Peel Test. No numerical value.

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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	%	60.0	%	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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