



# PRODUCT INFORMATION

**25NTE0075120PS0072040SC**

**Item #: S9248652**

NTC DIRECT THERMAL FSC/751 PERMANENT ADHESIVE/2 ML CLEAR POLYSTYRENE/720 ALL TEMP ADHESIVE/40 SC LINER

Approximate weight per MMSI: 333 lbs. Standard core size is 3 inches. Total caliper: 8.9 mils +/- 10%

## FACESTOCK

A 49# (73 g/m<sup>2</sup>), no phenols added, 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)	49.1	grams/sq meter	72.7	TAPPI T410
Caliper - Average	mil	3.200	um (micrometer)	81.3	TAPPI T411
Smoothness (PPS) Print Side	um	1.65	um	1.7	TAPPI T555
Tear-MD	grams	50.0	mN	490.3	TAPPI T414
Tensile-CD	lb/inch	14.0	kN/m	2.5	TAPPI T494
Brightness UV Excl	%	84	%		Tappi T571
Initial Activation Temp	F	205	C	96	ISO 1924
Effective Activation Temp	F	250	C	121	ISO 1924
Optimum Activation Temp	F	268	C	131	ISO 1924

## ADHESIVE

A paper and film compatible acrylic with good adhesion to many substrates. Excellent die-cutting and stripping.

Exceptional mandrel hold.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Caliper - Calculated	mils	0.7	um(micrometer)	17.7	
Shear (1 x 1/2 x 1 kg)	hours	18.0	hours	18.0	CPD-55
Peel - 180 D SS 20 min	lb/inch	2.1	grams/25 mm	937.5	CPD-52
Peel - 180 D HDPE 20 min	lb/inch	1.7	grams/25 mm	759.0	CPD-52
Peel - 180 D LDPE 20 min	lb/inch	2.1	grams/25 mm	937.5	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	.5	grams/25 mm	223.2	CPD-52
Loop Tack Stain Steel	oz/sq inch	52	kg/645 sq mm	1.5	CPD-16
Loop Tack HDPE	oz/sq inch	41	kg/645 sq mm	1.1	CPD-16
Loop Tack LDPE	oz/sq inch	25	kg/645 sq mm	.7	CPD-16
Loop Tack Corrugated	oz/sq inch	10.7	kg/645 sq mm	.3	CPD-16
Loop Tack Glass	oz/sq inch	60	kg/645 sq mm	1.7	CPD-16
Min. App. Temp.	F	45	C	7	
Service Temp.	F	-65 TO 200	C	-54 TO 93	
FDA Compliance	21 CFR	175.105			

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PRODUCT INFORMATION

LINER

Table with 6 columns: Test Property, Units, Typical Value, Metric Units, Metric Value, Test Method. Rows include Caliper Average, Gloss, Tensile Film, Elongation at Break, Haze, Area Yield, and Secant Modulus.

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.

Table with 6 columns: Test Property, Units, Typical Value, Metric Units, Metric Value, Test Method. Rows include Caliper - Calculated, Shear, Peel (180 D SS, HDPE, LDPE, Glass, Corrugated), Loop Tack (Stain Steel, HDPE, LDPE, Corrugated), Min. App. Temp., Service Temp., and FDA Compliance.

LINER

A white densified kraft sheet 41# (67 g/m²) with excellent point-to-point caliper control.

Table with 6 columns: Test Property, Units, Typical Value, Metric Units, Metric Value, Test Method. Rows include Basis Weight, Caliper - Average, Opacity, Tear-MD, Tear-CD, Tensile-MD, and Tensile-CD.

Issued: 08/01/25

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