



**024DT0053140SC**

**Item #: S8840060**

TC RESISTANT DIRECTHERM/531 REMOVABLE ADHESIVE/40 SC LINER

Approximate weight per MMSI: 232 lbs. Standard core size is 3 inches. Total caliper: 6.27 mils +/- 10%

**FACESTOCK**

A 52# (78 g/m<sup>2</sup>) top coated direct thermal paper. Resistant to moisture, oil, and heat. Also has plasticizer resistance at room temperature. Ideal for weigh scale labels, and shipping and warehousing applications. New top coating extends print head life.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Basis Weight	lbs/25X38-500	53.4	grams/sq meter	79.0	TAPPI T410
Caliper - Average	mil	3.2	um (micrometer)	81.3	TAPPI T411
Smoothness (PPS) Print Side	um	1.0	um	1.0	TAPPI T555
Tear-MD	grams	43	mN	421.7	TAPPI T414
Tear-CD	grams	44	mN	431.5	TAPPI T414
Tensile-MD	lb/inch	32	kN/m	5.6	TAPPI T494
Tensile-CD	lb/inch	16	kN/m	2.8	TAPPI T494
Stiffness-MD	Gurley (mg)	90	mN	.9	TAPPI T543
Stiffness-CD	Gurley (mg)	45	mN	.4	TAPPI T543
Brightness	%	80	%	80.0	TAPPI T452
Initial Activation Temp	F	192	C	89	ISO 1924
Effective Activation Temp	F	244	C	118	ISO 1924
Optimum Activation Temp	F	300	C	149	ISO 1924

**Notes**

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

**ADHESIVE**

An economical moderate removable acrylic adhesive with long-term stability. A versatile removable. Compatible with a wide variety of substrates.

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
Loop Tack Stain Steel	oz/sq inch	24	kg/645 sq mm	.7	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/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	40	grams/sq meter	65.2	TAPPI T410
Caliper - Average	mil	2.47	um (micrometer)	62.7	TAPPI T411
Opacity	%	64	%	64.0	TAPPI T425
Tear-MD	grams	35.3	mN	346.2	TAPPI T414
Tear-CD	grams	46	mN	451.1	TAPPI T414
Tensile-MD	lb/inch	36.6	kN/m	6.4	TAPPI T494
Tensile-CD	lb/inch	14.3	kN/m	2.5	TAPPI T494

Issued: 09/23/17

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