



**024DT0027840SC**

**Item #: S8855360**

TC RESISTANT DIRECTHERM/278 ULTRA REMOVABLE ADH/40 SC LINER

Approximate weight per MMSI: 224 lbs. Standard core size is 3 inches. Total caliper: 6 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>

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**ADHESIVE**

Ultra-removable microsphere adhesive designed for paper facers. Adheres to, and removes cleanly from, a variety of substrates. Repositionable. Perfect for kids stickers, forms, and short-term labeling such as price marking, promotions, and logistics.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Caliper - Calculated	mils	0.4	um(micrometer)	10.8	
Peel - 180 D SS 20 min	lb/inch	.235	grams/25 mm	104.9	CPD-52
Peel - 180 D HDPE 20 min	lb/inch	.166	grams/25 mm	74.1	CPD-52
Peel - 180 D LDPE 20 min	lb/inch	.211	grams/25 mm	94.2	CPD-52
Peel - 180 D Glass 20 min	lb/inch	.140	grams/25 mm	62.5	CPD-52
Peel - 180 D Corrugated 20 min	lb/inch	.052	grams/25 mm	23.2	CPD-52
Loop Tack Stain Steel	oz/sq inch	7	kg/645 sq mm	.2	CPD-16
Loop Tack HDPE	oz/sq inch	7	kg/645 sq mm	.2	CPD-16
Loop Tack LDPE	oz/sq inch	8	kg/645 sq mm	.2	CPD-16
Loop Tack Corrugated	oz/sq inch	2	kg/645 sq mm	.1	CPD-16
Loop Tack Glass	oz/sq inch	6	kg/645 sq mm	.2	CPD-16
Min. App. Temp.	F	20	C	-7	
Service Temp.	F	-10 TO 120	C	-23 TO 49	
FDA Compliance	21 CFR	175.105			

**Notes**

This adhesive is not intended for layflat applications.

**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	41	grams/sq meter	66.8	TAPPI T410
Caliper - Average	mil	2.4	um (micrometer)	61.0	TAPPI T411
Gloss	% @ 75 degrees	57	% @ 75 degrees	57.0	TAPPI T480
Opacity	%	60	%	60.0	TAPPI T425
Tear-MD	grams	35	mN	343.2	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
Brightness	%	76	%		TAPPI T452

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