



**022TD0027240SC**

**Item #: S7603560**

HI SENSITIVITY DIR THERM/272 ULTRA REMOVABLE ADH/40 SC LINER

Approximate weight per MMSI: 230 lbs. Standard core size is 3 inches. Total caliper: 5.9 mils +/- 10%

**FACESTOCK**

A 53# (78 g/m<sup>2</sup>) top coated direct thermal coated paper for more demanding applications and higher imaging speeds.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Basis Weight	lbs/25X38-500	52.8	grams/sq meter	78.1	TAPPI T410
Caliper - Average	mil	3.0	um (micrometer)	76.2	TAPPI T411
Smoothness (PPS) Print Side	um	.9	um	.9	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)	40	mN	.4	TAPPI T543
Brightness	%	83.0	%	83.0	TAPPI T452
Initial Activation Temp	F	171	C	77	ISO 1924
Effective Activation Temp	F	190	C	88	ISO 1924
Optimum Activation Temp	F	244	C	118	ISO 1924

**Notes**

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

**ADHESIVE**

Non-toxic paper removable microsphere adhesive with good clean removal. Great choice for kiddie stickers, business forms, and price labels.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Caliper - Calculated	mils	0.5	um(micrometer)	13.0	
Peel - 180 D SS 20 min	lb/inch	.311	grams/25 mm	138.8	CPD-52
Peel - 180 D HDPE 20 min	lb/inch	.280	grams/25 mm	125.0	CPD-52
Peel - 180 D LDPE 20 min	lb/inch	.247	grams/25 mm	110.3	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	11	kg/645 sq mm	.3	CPD-16
Loop Tack HDPE	oz/sq inch	8	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	4	kg/645 sq mm	.1	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.

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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	25.2	grams/sq meter	41	TAPPI T410
Caliper - Average	mil	2.4	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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