



022TD0027540SC

Item #: S7707560

HI SENSITIVITY DIR THERM/275 ULTRA REMOVABLE ADH/40 SC LINER

Approximate weight per MMSI: 225 lbs. Standard core size is 3 inches. Total caliper: 5.8 mils +/- 10%

FACESTOCK

A 53# (78 g/m²) 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>

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ADHESIVE

An exceptionally strong microsphere adhesive with good clean removal and multiple reposition properties. Works in many applications, including corrugated and plastics. Not recommended for small label or flood coat applications.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Caliper - Calculated	mils	0.4	um(micrometer)	10.1	
Shear (1 x 1/2 x 1 kg)	hours	.2	hours	.2	CPD-55
Peel - 180 D SS 20 min	lb/inch	.201	grams/25 mm	89.7	CPD-52
Peel - 180 D Glass 20 min	lb/inch	.116	grams/25 mm	51.8	CPD-52
Peel - 180 D Corrugated 20 min	lb/inch	.174	grams/25 mm	77.7	CPD-52
Loop Tack Stain Steel	oz/sq inch	9.73	kg/645 sq mm	.3	CPD-16
Loop Tack HDPE	oz/sq inch	4.0	kg/645 sq mm	.1	CPD-16
Loop Tack LDPE	oz/sq inch	4.7	kg/645 sq mm	.1	CPD-16
Loop Tack Corrugated	oz/sq inch	1.7	kg/645 sq mm	.0	CPD-16
Loop Tack Glass	oz/sq inch	3.0	kg/645 sq mm	.1	CPD-16
Min. App. Temp.	F	35	C	2	
Service Temp.	F	20 TO 120	C	-7 TO 49	
FDA Compliance	21 CFR	175.105			

Notes

Some streaking is normal with 275. Therefore, it is not recommended for small label or flood coat applications. We will honor claims if streaks are wider than 3/16 in.; or multiple smaller streaks spaced less than 3 in. apart. This adhesive is not intended for layflat applications.

LINER

A white densified kraft sheet 41# (67 g/m²) 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	2.400	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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