



54SG0051520PS0051550SC

Item #: S8205660

54# C1S SEMI GLOSS/515 PERMANENT ADHESIVE/2 ML CLEAR POLYSTYRENE/515 PERMANENT ADHESIVE/3.2 SCK

Approximate weight per MMSI: 368 lbs. Standard core size is 3 inches. Total caliper: 9.1 mils +/- 10%

FACESTOCK

53# (78 g/m²) C1S bright blue-white semi-gloss. High strength property makes it ideal for wide web high-speed stripping and die-cutting. Smooth surface provides excellent printing with flexo, UV letterpress, laser, and offset methods.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Basis Weight	lbs/25X38-500	53.0	grams/sq meter	78.4	TAPPI T410
Caliper - Average	mil	2.6	um (micrometer)	66.0	TAPPI T411
Gloss	%	72.0	%	72.0	TAPPI T480
Opacity	%	87	%	87.0	TAPPI T425
Smoothness (PPS) Print Side	um	.8	um	.8	TAPPI T555
Tear-MD	grams	40	mN	392.3	TAPPI T414
Tear-CD	grams	48	mN	470.7	TAPPI T414
Tensile-MD	lb/inch	30	kN/m	5.3	TAPPI T494
Tensile-CD	lb/inch	15	kN/m	2.6	TAPPI T494
Brightness	%	89	%	89.0	TAPPI T452

ADHESIVE

A permanent, acrylic adhesive that has good water whitening resistance and adheres well to low surface energy plastics. Good combination of quick tack and high shear makes it ideal for mailing tabs.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Caliper - Calculated	mils	0.7	um(micrometer)	16.6	
Shear (1 x 1/2 x 1 kg)	hours	13.8	hours	13.8	CPD-55
Peel - 180 D SS 20 min	lb/inch	1.1	grams/25 mm	491.1	CPD-52
Peel - 180 D HDPE 20 min	lb/inch	0.6	grams/25 mm	267.9	CPD-52
Peel - 180 D LDPE 20 min	lb/inch	0.5	grams/25 mm	223.2	CPD-52
Peel - 180 D Glass 20 min	lb/inch	1.5	grams/25 mm	669.7	CPD-52
Peel - 180 D Corrugated 20 min	lb/inch	1.0	grams/25 mm	446.5	CPD-52
Loop Tack Stain Steel	oz/sq inch	33	kg/645 sq mm	.9	CPD-16
Loop Tack HDPE	oz/sq inch	18	kg/645 sq mm	.5	CPD-16
Loop Tack LDPE	oz/sq inch	13	kg/645 sq mm	.4	CPD-16
Loop Tack Corrugated	oz/sq inch	9	kg/645 sq mm	.3	CPD-16
Loop Tack Glass	oz/sq inch	38	kg/645 sq mm	1.1	CPD-16
Min. App. Temp.	F	40	C	4	
Service Temp.	F	-40 TO 250	C	-40 TO 121	
FDA Compliance	21 CFR	175.105			

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LINER

Clear polystyrene for middle liner in piggyback structures.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Caliper Average (Films)	mils	2.0	um (micrometers)	50.8	ASTM D374
Gloss - Films	% @ 45 degress	165	% @ 45 degrees	165.0	ASTM D2457
Tensile Film - MD	lb/sq inch	10500	kg/sq cm	738.2	ASTM D882
Tensile Film - TD	lb/sq inch	10500	kg/sq cm	738.2	ASTM D882
Elongation at Break - MD	%	45	%	45.0	ASTM D882
Elongation at Break - TD	%	35	%	35.0	ASTM D882
Haze	%	.7	%	.7	ASTM D1003
Area Yield	sq in/lb	13185	sq m/kg	18.9	ASTM E252
1% Secant Modulus - MD	lb/sq inch	412500			ASTM D882
1% Secant Modulus - CD	lb/sq inch	400000			ASTM D882

ADHESIVE

A permanent, acrylic adhesive that has good water whitening resistance and adheres well to low surface energy plastics. Good combination of quick tack and high shear makes it ideal for mailing tabs.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Caliper - Calculated	mils	0.7	um(micrometer)	16.6	
Shear (1 x 1/2 x 1 kg)	hours	13.8	hours	13.8	CPD-55
Peel - 180 D SS 20 min	lb/inch	1.1	grams/25 mm	491.1	CPD-52
Peel - 180 D HDPE 20 min	lb/inch	0.6	grams/25 mm	267.9	CPD-52
Peel - 180 D LDPE 20 min	lb/inch	0.5	grams/25 mm	223.2	CPD-52
Peel - 180 D Glass 20 min	lb/inch	1.5	grams/25 mm	669.7	CPD-52
Peel - 180 D Corrugated 20 min	lb/inch	1.0	grams/25 mm	446.5	CPD-52
Loop Tack Stain Steel	oz/sq inch	33	kg/645 sq mm	.9	CPD-16
Loop Tack HDPE	oz/sq inch	18	kg/645 sq mm	.5	CPD-16
Loop Tack LDPE	oz/sq inch	13	kg/645 sq mm	.4	CPD-16
Loop Tack Corrugated	oz/sq inch	9	kg/645 sq mm	.3	CPD-16
Loop Tack Glass	oz/sq inch	38	kg/645 sq mm	1.1	CPD-16
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Service Temp.	F	-40 TO 250	C	-40 TO 121	
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LINER

A white densified kraft sheet 53# (86 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	52.5	grams/sq meter	85.6	TAPPI T410
Caliper - Average	mil	3.1	um (micrometer)	78.7	TAPPI T411
Gloss	% @ 75 degrees	50	% @ 75 degrees	50.0	TAPPI T480
Opacity	%	72	%	72.0	TAPPI T425
Smoothness Liner Release Side	Sheffield Units	90	Sheffield Units	90.0	TAPPI T538
Smoothness Backside	Sheffield Units	100	Sheffield Units	100.0	TAPPI T538
Tear-MD	grams	46	mN	451.1	TAPPI T414
Tear-CD	grams	55	mN	539.4	TAPPI T414
Tensile-MD	lb/inch	52	kN/m	9.1	TAPPI T494
Tensile-CD	lb/inch	24	kN/m	4.2	TAPPI T494
Stiffness-MD	Gurley (mg)	135	mN	1.3	TAPPI T543
Stiffness-CD	Gurley (mg)	70	mN	.7	TAPPI T543
Brightness	%	78	%	78.0	TAPPI T452

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