



**023MU0010240SC**

**Item #: S9002160**

2 MIL METALIZED TC BOPP/102 PERMANENT ADHESIVE/40 SC LINER  
Approximate weight per MMSI: 189 lbs. Standard core size is 3 inches. Total caliper: 5.1 mils +/- 10%

**FACESTOCK**

A 2.0 mil BOPP with a shiny silver look. This material is a clear film metalized on the back side for durability. It is top coated for printability with a wide range of ink systems. Use whenever a bright, attention-getting label is desired.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Caliper Average (Films)	mils	2.000	um (micrometers)	50.8	ASTM D374
Tensile Film - MD	lb/sq inch	17400	kg/sq cm	1223.2	ASTM D882
Tensile Film - TD	lb/sq inch	35500	kg/sq cm	2495.7	ASTM D882
Elongation at Break - MD	%	175	%	175.0	ASTM D882
Elongation at Break - TD	%	65	%	65.0	ASTM D882
Dim. Stability - MD	% @ 275 F	-4	% @ 135 C	-4.0	ASTM D1204
Dim. Stability - TD	% @ 275 F	-2	% @ 135 C	-2.0	ASTM D1204
Elastic Modulus - MD	lb/sq inch	290000	kg/sq cm	20387.0	ASTM D882
Elastic Modulus - TD	lb/sq inch	508000	kg/sq cm	35712.4	ASTM D882
Area Yield	sq in/lb	15300	sq m/kg	21.9	ASTM E252

**ADHESIVE**

A clear, water-resistant acrylic emulsion film adhesive, with high tack and peel. It adheres to a wide variety of surfaces, and offers a good balance between wet-out and repositionability.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Caliper - Calculated	mils	0.7	um(micrometer)	17.3	
Shear (1 x 1/2 x 1 kg)	hours	5.9	hours	5.9	CPD-55
Peel - 180 D SS 20 min	lb/inch	1.8	grams/25 mm	803.6	CPD-52
Loop Tack Stain Steel	oz/sq inch	38	kg/645 sq mm	1.1	CPD-16
Min. App. Temp.	F	40	C	4	
Service Temp.	F	-40 TO 160	C	-40 TO 71	
FDA Compliance	21 CFR	175.105			

**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
Opacity	%	60.0	%	60.0	TAPPI T425
Tear-MD	grams	32.6	mN	320	TAPPI T414
Tear-CD	grams	39.8	mN	390	TAPPI T414
Tensile-MD	lb/inch	38.9	kN/m	6.8	TAPPI T494
Tensile-CD	lb/inch	16.0	kN/m	2.8	TAPPI T494

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