



**023MU0010212NB**

**Item #: S9016760**

2 MIL METALIZED TC BOPP/102 PERMANENT ADHESIVE/1.2 MIL PET NO BACK COAT  
Approximate weight per MMSI: 153 lbs. Standard core size is 6 inches. Total caliper: 3.9 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 peel and tack, which adheres to a wide variety of surfaces, is blush resistant, and offers good wet-out.

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**

Clear polyester with an excellent surface for die-cutting. Great strength for high speed converting and application.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Caliper Average (Films)	mils	1.2	um (micrometers)	30.5	ASTM D374
Tensile Film - MD	lb/sq inch	32,000	kg/sq cm	2249.6	ASTM D882
Tensile Film - TD	lb/sq inch	32,000	kg/sq cm	2249.6	ASTM D882
Elongation at Break - MD	%	130	%	130.0	ASTM D882
Elongation at Break - TD	%	100	%	100.0	ASTM D882
Shrinkage-MD	% 30 min @ 302 F	1.5	% 30 min @ 150 C	1.5	ISO 2469
Shrinkage-TD	% 30 min @ 302 F	.4	% 30 min @ 150 C	.4	ISO 2469
Elastic Modulus - MD	lb/sq inch	550,000	kg/sq cm	38665.0	ASTM D882
Elastic Modulus - TD	lb/sq inch	550,000	kg/sq cm	38665.0	ASTM D882
Area Yield	sq in/lb	16,805	sq m/kg	24.0	ASTM E252

Issued: 07/21/19

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