



**020CL0010239NK**

**Item #: S8777052**

2 ML CLEAR TC BOPP/102 PERMANENT ADHESIVE/NATURAL LINER  
Approximate weight per MMSI: 187 lbs. Standard core size is 3 inches. Total caliper: 5.1 mils +/- 10%

**FACESTOCK**

2.0 mil clear top-coated BOPP offers excellent print results with water-based and UV flexo ink systems, and hot stamping. Ultra clear for a no-label look. Perfect for health and beauty aid, household care, pharmaceutical, and beverage labeling.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Caliper Average (Films)	mils	2.0	um (micrometers)	50.8	ASTM D374
Gloss	% @ 45 degrees	87	%	87.0	ASTM D2457
Tensile Film - MD	lb/sq inch	16500	kg/sq cm	1160.0	ASTM D882
Tensile Film - TD	lb/sq inch	33500	kg/sq cm	2355.1	ASTM D882
Stiffness-MD	Gurley (mg)	14	mN	1427.6	TAPPI T543
Stiffness-CD	Gurley (mg)	24	mN	2447.3	TAPPI T543
Elongation at Break - MD	%	190	%	190.0	ASTM D882
Haze	%	2.0	%	2.0	ASTM D1003
Dim. Stability - MD	% @ 275 F	-3.5	% @ 135 C	-3.5	ASTM D1204
Area Yield	sq in/lb	15,000	sq m/kg	21.5	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**

Produced without bleaching, this is a more environmentally-friendly, 39# (64 g/m<sup>2</sup>) super calendered densified kraft liner offering good die-cutting and stripping. Can be recycled with corrugated.

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Basis Weight	lbs/24X36-500	39.0	grams/sq meter	63.6	TAPPI T410
Caliper - Average	mil	2.4	um (micrometer)	61.0	TAPPI T411
Opacity	%	93	%	93.0	TAPPI T425
Tear-MD	grams	37	mN	362.8	TAPPI T414
Tear-CD	grams	41	mN	402.1	TAPPI T414
Tensile-MD	lb/inch	45	kN/m	7.9	TAPPI T494
Tensile-CD	lb/inch	21	kN/m	3.7	TAPPI T494

Issued: 05/25/17

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