



**020CL0011112NB**

**Item #: S8789352**

2.0 MIL TC CLEAR BOPP/111 PERMANENT ADHESIVE/1.2 MIL PET NO BACK COAT  
Approximate weight per MMSI: 154 lbs. Standard core size is 3 inches. Total caliper: 3.9 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 permanent, acrylic emulsion adhesive that is designed for films. It has excellent water whitening resistance. Adheres well to low-surface-energy plastics. Can be used in squeeze applications.

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	5.1	hours	5.1	CPD-55
Peel - 180 D SS 20 min	lb/inch	1.491	grams/25 mm	665.7	CPD-52
Loop Tack Stain Steel	oz/sq inch	37	kg/645 sq mm	1.0	CPD-16
Min. App. Temp.	F	32	C	0	
Service Temp.	F	-4 TO 257	C	-20 TO 125	
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	mil	1.2	um (micrometer)	30.5	TAPPI T411
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
Area Yield	sq in/lb	16,805	sq m/kg	24.0	ASTM E252

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