

**BL20CLR 4.0 - 2.0 MIL CLEAR BACK LAMINATE- 4" ROLL**
**Item #: SC504300**
**2.0 MIL POLYESTER – BREAK AWAY COATING – 2.0 MIL POLYESTER / 515 PERMANENT ADHESIVE / 40SC LINER**

Approximate weight per MMSI: 340 lbs. Standard core size is 3 inches. Total caliper: 7.5 mils.

**2.0 MIL FILM LEAVE BEHIND ON FORM**

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Yield	in <sup>2</sup> /lb	10,060	sq meter/kg	14.4	ASTM E252
Caliper Average (Films)	mil	2.0	um	50.8	ASTM D374
Haze	%	5.5	%	5.5	ASTMD1003
Tensile Film – MD	psi	25,000	kg/sq cm	1757.5	ASTM D882
Tensile Film – TD	psi	28,500	kg/sq cm	2003.6	ASTM D882
Elongation at Break –MD	%	125	%	125	ASTM D882
Elongation at Break – TD	%	90	%	90	ASTM D882

**BREAK AWAY COATING**

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Caliper – Calculated	mils	0.4	UM	10.2	TAPPI T411
Release Value	grams	250	grams	250	Supplier

**FILM TO CARD LAMINATION**

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Yield	in <sup>2</sup> /lb	10,060	sq meter/kg	14.4	ASTM E252
Caliper Average (Films)	mil	2.0	um	50.8	ASTM D374
Haze	%	5.5	%	5.5	ASTMD1003
Tensile Film – MD	psi	25,000	kg/sq cm	1757.5	ASTM D882
Tensile Film – TD	psi	28,500	kg/sq cm	2003.6	ASTM D882
Elongation at Break –MD	%	125	%	125	ASTM D882
Elongation at Break – TD	%	90	%	90	ASTM D882

**ADHESIVE (00515 PERMANENT)**

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Caliper – Calculated	mils	.7	UM	17.3	
Shear (1x1/2x1kg)	hrs	13.8	hrs	13.8	CPD-55
Peel 180D SS 20min	lb/inch	1.1	grams/25mm	491.1	CPD-52
Loop Tack SS	oz/sq inch	33	kg/645sq mm	0.9	CPD-16
Min App Temp	F	40	C	4	
Service Temp	F	-40 to 250	C	-40 to 121	

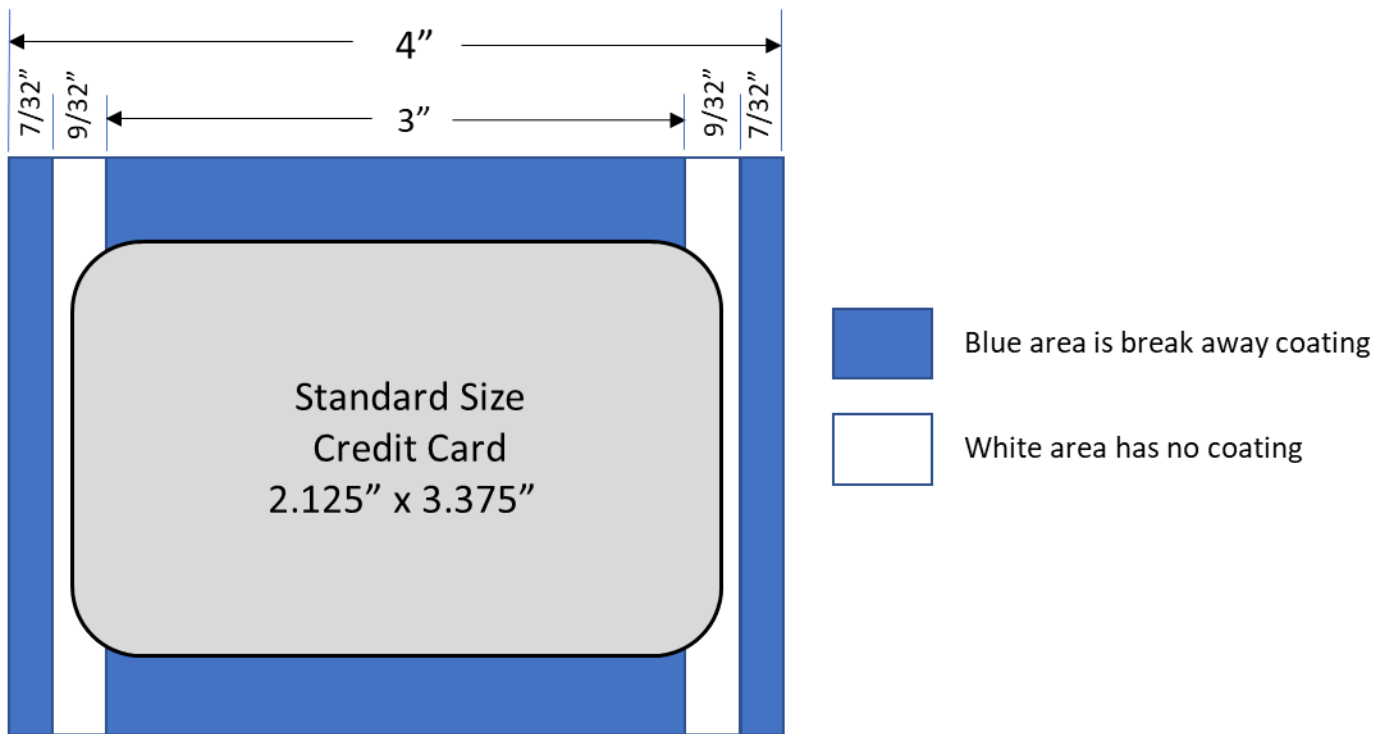
**LINER (40SC)**

Test Property	Units	Typical Value	Metric Units	Metric Value	Test Method
Basis Weight	lbs/24 x 36 – 500	41	grams/sq meter	66.8	TAPPI T410
Caliper – Average	mil	2.4	um	61.0	TAPPI T411
Opacity	%	60	%	60	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	kN/m	2.8	TAPPI T494

 Notes – Shelf life of product is eight months when stored out of direct sunlight and in a cool dry area. **Notes on next page.**

**NOTES FOR BL20CLR 4.0, Item #: SC504300**

- Minimum order is 1 roll
- 5,000' and 10,000' rolls
- Roll width: 4" with lift edges designed for typical credit card size.
- Thickness
  - Total: 7.5 mils +/- 15%
  - Thickness (Applied): 5.1 mils +/- 15%
  - Thickness of base film: 2.0 mils +/- 10%
  - Thickness of PET: 2.0 mils +/- 10%
- Tolerances:
  - Overrun/underrun: +/- 10%
  - Slitting tolerance: +/- 1/16"
  - Pattern tolerance: +/- 1/16"
- Wind – Liner out unless specified
- Shipped on the round
- Release: When die cut properly, the card will release from the film without tearing the film.



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