



## ► Series 5590 Dual Color Film

### Series 5590: Perforated

Series 5590 Dual Color Film is a 4-mil (100 micron), 85/15 perforated cast film with permanent pressure-sensitive adhesive. It is designed for illuminated signage that requires maximum visibility both day and night. Series 5590 is rated for outdoor durability up to 7 years (black and white) and 5 years (colors).

### APPLICATIONS & FEATURES

- Superior release and weedability.
- Excellent initial tack and ultimate adhesion.
- Standard Product: white (120), black (122).
- Custom Colors: available upon request.

### PERFORMANCE & PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE	
<b>SURFACE FINISH</b>	Gloss Meter 60° Reflection	25 to 40 Gloss Units	
<b>THICKNESS</b>	Micrometer, Federal Bench Type	4-mil (100 micron)	
<b>PERFORATION PATTERN</b>	Percentage of vinyl vs. open area	85% Vinyl, 15% Open Area	
<b>TENSILE STRENGTH</b>	Tensile Tester 2-in (51mm) jaw separation; crosshead speed of 12 in/min. (5.1 mm/s)	≥ 25 lb/in	≥ 4.46 kg/cm
<b>ELONGATION</b>	Instron Tensile Tester as above	≤ 100%	
<b>SHELF LIFE (IN BOX)</b>	Ideal Storage Temperature 70°F (21°C) and 50% relative humidity	1 year from factory shipment	
<b>APPLICATION TEMPERATURE RANGE</b>	On clean, dry substrate	60°F to 90°F optimum	15°C to 32°C optimum
<b>SERVICE TEMPERATURE RANGE</b>	Film applied to etched aluminum panels 24 hours prior to testing	-40°F to 200°F	-40°C to 93° C
<b>DIMENSIONAL STABILITY</b>	158°F (70°C), 48 hours	≤ 0.025 in	0.635 mm
<b>PEEL ADHESION</b>	PSTC-1, 15 min, 70°F (21°C)	≥ 5 lb/in	≥ 0.89 kg/cm
<b>LINER RELEASE</b>	TLMI Release at 90°, 300 in/min (760 cm/min)	20 g/2 in	4 g/cm

Standard Terms & Conditions Apply

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