

## ► Series 5500 Diffuser Film

### Series 5500: Non-Perforated

Series 5500 diffuser film is an environmentally friendly alternative to back spraying with paint. Available in two transmission levels, 30% and 60%, Series 5500 is designed for second surface applications for internally illuminated signage to hide the light box components while dispersing the light evenly.

### APPLICATIONS & FEATURES

- Designed for second surface applications of internally illuminated signage and displays
- Environmentally friendly alternative to back spraying
- Excellent long-term adhesion
- Uniform light control
- 7 year outdoor durability

### PERFORMANCE & PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE
<b>SURFACE FINISH</b>	Gloss Meter 60° Reflection	25 to 40 units
<b>TRANSMISSION VALUES</b>	Spectrophotometer	#70 - 60%
<b>THICKNESS</b>	Micrometer, Federal Bench Type	0.09 mm
<b>TENSILE STRENGTH</b>	Tensile Tester with 2-in (51 mm) jaw separation; crosshead speed of 12 in/min. (5.1 mm/s)	0.8 kg/cm width
<b>ELONGATION</b>	Instron Tensile Tester as above	≥ 150%
<b>SHELF LIFE</b>	Free from excessive moisture, temperature, direct sunlight	2 years from factory shipment
<b>APPLICATION TEMPERATURE RANGE</b>	On clean, dry substrate	15°C to 32°C optimum
<b>SERVICE TEMPERATURE RANGE</b>	Film applied to etched aluminum panels 24 hours prior to testing	-40°C to 93°C
<b>HUMIDITY RESISTANCE</b>	Film applied to etched aluminum panels 24 hours prior to testing; 100% relative humidity at 100°F (38°C) for 500 hours	No appreciable effect
<b>DIMENSIONAL STABILITY</b>	158°F (70°C), 48 hours	0.4 mm
<b>PEEL ADHESION</b>	PSTC-1, 15 min, RT 70°F (21°C)	≥ 0.67 kg/cm
<b>LINER RELEASE</b>	TLMI 300 in/min (760 cm/min)	30 g/cm

Standard Terms & Conditions Apply

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## TERMS & CONDITIONS

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April 2020



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