

Electric Sign Solutions from 3M

Translucent Graphic Films		Description	Maximum Outdoor Durability*	Availability Standard Stocked
3630	3M™ Scotchcal™ Translucent Graphic Film Series 3630	Use this 2 mil cast thermoformable film to produce permanent, interior or exterior graphics for internally-illuminated sign faces and awnings. It has clear, pressure-sensitive adhesive and a synthetic liner that resists water. It is available in more than 50 colors, many with simulated PANTONE® Color reference.	6	48" x 50 yds
3632GPS	3M™ Scotchcal™ Translucent Graphic Film Series 3632GPS	This 2 mil cast vinyl graphic film is thermoformable and has a clear, permanent, pressure sensitive adhesive. It has long-term durability in both interior and exterior applications, with superior color in both reflected and transmitted light. The protective GPS topcoat provides increased durability and cleanability. It is available in more than 20 colors, many with simulated PANTONE® references.	9	Cut to Order and Ready to Make Only
IJ3630-20	3M™ Scotchcal™ Translucent Graphic Film Series IJ3630-20	Use this 2 mil film for backlit graphics that have uniform color in both reflected and transmitted light. This white, translucent film has a synthetic layflat liner and clear, pressure-sensitive adhesive. It is approved for making permanent interior or exterior graphics on selected piezo ink jet printers.	2	54" x 50 yds
IJ3650-114	3M™ Scotchcal™ Graphic Film Series IJ3650-114	Piezo inkjet printable, 2 mil film with a pressure-sensitive adhesive. This film is an excellent choice for permanent, medium-term cut graphics or single panel vertical graphics and signs.	2	54" x 50 yds
8626 ES/8628 ES	3M™ Scotchcal™ Clear Graphic Film 8626 ES 3M™ Scotchcal™ Translucent Graphic Film 8628 ES	For electrostatic imaging. These 2 mil films are ideal for creating four-color backlit signs. They feature a pressure-sensitive adhesive and are designed for use on flat surfaces such as 3M flexible substrates, acrylic or glass.	4	49" x 50 yds 54" x 50 yds
Light Management Films				
3635-20B/3635-22B	3M™ Blockout Film 3635-20B/3635-22B	These films block light transmission when applied to internally illuminated signs and enhance a neon-type effect when used on the second surface of clear acrylic. Film 3635-20B is white on the face side; black on the back side. Film 3635-22B is black on the face side; white on the back side.	5	48" x 50 yds
3635-91/3635-0171	3M™ Day/Night Film 3635-91 (Smoke Gray) 3M™ Day/Night Film 3635-0171 (Charcoal Gray)	This film has been specially formulated to produce the appearance of dark graphics during the day and white or colored graphics at night on internally illuminated signs. It has a clear, pressure-sensitive adhesive.	4	Ready to Make Only
3635-30/3635-70	3M™ Diffuser Film 3635-30/3635-70	This matte gloss film is specially formulated to provide 30 percent (film 3635-30) or 70 percent (film 3635-70) light transmission to control light or achieve special effects on internally illuminated signs. It is thermoformable and has pressure sensitive adhesive.	5	48" x 50 yds
3635-210/3635-222	3M™ Dual-Color Film 3635-210/3635-222	Use this specially perforated sign film for creating the special effect of a color and/or image by day (non-backlighted) that changes to a different color or image by night when backlighted. It is available in black (film 3635-222), white (film 3635-210) or custom colors, and can be used with 3M™ Translucent Films or screen printed.	5	48" x 50 yds
3635-100	3M™ Light Enhancement Film 3635-100	This thermoformable, light-enhancing film is designed especially for backlit sign applications to improve sign brightness while reducing energy costs.	5	48" x 50 yds
Flexible Substrates				
PIII	3M™ Panagraphics™ III Wide Width Flexible Substrate	Flexible substrate with a smooth front surface and a semi-gloss finish. Digitally image this substrate and attach it to a variety of extrusions, or decorate with cut or screen printed film before or after attaching it to a frame or extrusion. Cost-effective choice for seamless, wide-width backlit signs used in medium to long-term installations.	6	Widths: 59"; 79"; 98"; 102"; 126"; 165"; Length: 164'
945GPS	3M™ Panaflex™ Awning and Sign Facing Series 945GPS	This is a flexible material with built-in dirt resistance on its smooth, semi-gloss surface. The polyester scrim embedded between white-pigmented vinyl creates a durable substrate for creating attractive signs and awnings.	9	Cut to Order and Ready to Make Only
Graphic Protection Products				
3640GPS/3642GPS	3M™ Scotchcal™ Gloss Overlaminates 3640GPS 3M™ Scotchcal™ Matte Overlaminates 3642GPS	These films provide outstanding protection from ultraviolet light, dirt and other environmental factors on long-term durability graphics. The permanent adhesive allows application to flat surfaces without rivets.	9	48" x 50 yds
8519/8520	3M™ Scotchcal™ Luster Overlaminates 8519 3M™ Scotchcal™ Matte Overlaminates 8520	These overlaminates are approved for use with selected piezo inkjet printers to provide graphics additional ultraviolet and physical protection. It is designed for cold roll lamination only.	4	36" x 25 yds; 36" x 50 yds; 48.5" x 50 yds; 48.5" x 100 yds, 54" x 25 yds; 54" x 50 yds; 54" x 100 yds; 60" x 50 yds

Check with your 3M Distributor for RG and FN availability

*Maximum outdoor durability on some films can be increased with overlaminates.

For complete product details and warranted applications, go to 3Mgraphics.com and select Technical Bulletins.