

## LEXAN® Sheet for Sign Products



**Make a strong and lasting impression.**

Whether you're one of the nation's fast-food leaders, a newly-established bank or the favorite car wash in your home town, your sign is an important reflection of your company image.

Each year more and more businesses rely on LEXAN sheet for sign products to make a strong, lasting impression. LEXAN sheet, from GE Plastics Structured Products, is the toughest and most versatile polycarbonate sign material available. Ten times stronger than the toughest acrylic and backed by the most comprehensive warranty protection in the industry, LEXAN sheet is the premier choice for backlit pole signs, groundmounts, canopies and fascias.

Products are available to meet your demands for UV and weather resistance and glare reduction. A wide selection of sizes, colors, finishes and weights are available to meet even the most creative designs.

So don't compromise. Insist on LEXAN sheet sign products to project -- and protect -- the quality image you've worked so hard to build.

### **Strength that won't quit.**

Signs lead a harsh life, suffering the abuse of wind, weather, traffic and vandalism. With 30 times the impact strength of acrylic, and 10 times that of "impact-modified" acrylic, LEXAN sheet stands up to everyday punishment. Unlike acrylics, which can embrittle at below-freezing temperatures, LEXAN sheet offers dependable impact-resistance performance year after year. High in the air or low to the ground, in a quiet neighborhood or in the inner city, LEXAN sheet endures the toughest of conditions.

### **A world of design freedom.**

Choose from clear LEXAN sheet for optimum second-surface graphics, or select

from a wide range of colors and tints. A wide selection of textures can also help you get just the right look. The design versatility inherent in LEXAN sheet elevates a signmaker's art to new levels of creativity.

LEXAN sheet for sign products can be easily thermoformed to achieve crisp detail or cold-formed to the minimum radius of 100x thickness. Wide widths and continuous long lengths can achieve one-piece faces without seams.

### **Unmatched UV resistance.**

Proprietary UV-resistant surface technology -- available in a broad family of LEXAN Solar Grade products -- helps your sign stand up to prolonged exposure to harsh sunlight without visible yellowing. With LEXAN SGC sign products, outdoor signs not only last long, they offer long-lasting good looks.

### **Long-term cost savings.**

LEXAN sheet for sign products can provide significant cost savings over the life of your sign. Superior impact resistance results in reduced breakage during fabrication, shipping, installation and in service which contributes to overall lower maintenance and replacement costs. Also due to these high impact properties, LEXAN sheet can often be down-gauged vs. other plastics without compromising its performance properties. With LEXAN sheet sign products, a small investment on the front end can pay back handsomely over the life of your sign program.

### **Complete portfolio of sign grades.**

To meet your most demanding sign applications, all grades of LEXAN sheet share certain high-performance properties. In addition, they each offer specific value-added performance features to meet your particular sign requirements.

Performance Capability	LEXAN S-100 Sheet	LEXAN S-300 Sheet	LEXAN SGC-100 Sheet	LEXAN SG-300 Sheet	LEXAN SG-400 Sheet	LEXAN MR10 Sheet
High impact resistance	•	•	•	•	•	•
Formability	•	•	•	•	•	•
Added UV resistance			•	•	•	•
Available in colors	•	•		•	•	•
Available in spools	•	•	•	•	•	
Matte finish on one side		•		•		
Warranted against breakage*	•	•	•	•	•	•
Warranted against weathering*			•	•	•	•

\* See limited warranties for details.

## LEXAN® SGC-100/SG-300 Sheet



**For superior UV  
resistance.**

Clear SGC-100 (polished surface on both sides) and SG-300 (polished one side, matte on the other) sheet have a proprietary UV-resistant surface treatment on one side to protect against the yellowing effects of sunlight exposure. These products are ideal for outdoor signs which are predominately white or where color shift is objectionable.

### Features:

- Virtually unbreakable
- Stand up to prolonged sunlight exposure without noticeable yellowing or dulling
- 10-year limited warranty against breakage, yellowing and loss of light transmission (SGC-100 only)
- Readily accepts most forming and decoration methods
- Second-surface graphics are protected against fading and wear
- Glossy finish (SGC-100)
- Reduced surface reflection and glare (SG-300)
- SG-300 is also available in transparent, translucent and opaque custom colors, in addition to standard clear

### Applications:

- Second-surface decorated outdoor signs
- White or light-color signs
- Signs where color shift is objectionable
- Flat or formed-sign faces
- Backlighting or opaque pole signs, groundmounts, canopies, building fascias
- Electronic message sign covers

### Limitations:

- Follow manufacturer's recommended fabrication and cleaning procedures
- Solar Grade treated surface must face outward
- Not recommended for applications requiring high abrasion resistance

### Specifications:

#### LEXAN SGC-100-112 sheet

- Notched Izod impact strength of 12 to 16 ft.-lbs per inch, ASTM D-256
- Elongation % of >100, ASTM D-638
- Modulus of elasticity (psi) of 345,000, ASTM D-638
- Heat deflection temperature of 270°F @ 264 psi, ASTM D-648

#### LEXAN SG-300-112 sheet

- Notched Izod impact strength of 12 to 16 ft.-lbs. per inch, D-256
- Elongation % of >100, ASTM D-638
- Modulus of elasticity (psi) of 345,000, ASTM D-638
- Heat deflection temperature of 270°F @ 264 psi, ASTM D-648



*GE* **Plastics**  
Structured Products

General Electric Company  
One Plastics Avenue  
Pittsfield, MA 01201