

LEXAN™ SHEET SOLUTIONS FOR ELECTRICAL VEHICLE CHARGING STATIONS

SAFE, DURABLE, AND AESTHETIC STATIONS

Electric Vehicles (EVs) are shaping the future of transportation, and charging stations are essential to the infrastructure supporting the rapidly growing EV market. As a result, EV Charging Stations are on a similar growth trajectory. The number of EV Charging Stations in the US alone is expected to grow 8-fold by 2030. To meet the core industry requirements, solutions must be **durable**, have low life cycle costs, and **comply with global fire norms**.

For offering an augmented solution, mechanical properties are essential, and **design flexibility** and **ease of processing** need to be considered in the material selection process. Thermoplastics potentially enable differentiated design opportunities with low production volumes for manufacturers compared to metals or other traditional materials.



LEXAN™ SHEET PROPERTIES MEETING INDUSTRY REQUIREMENTS



WEATHERABILITY
With UV-protected coating



DESIGN FREEDOM
Ease of Thermoforming and suitable for Low Production Volume



FLAME RETARDANT / HEAT RESISTANT
V0 Rating & Global FST Compliant sheets available (incl. 5VA and F1 rated).



EASY FABRICATION
Cutting, Bending, and Assembling / Low Investment for Tooling



HIGH DURABILITY
High Impact & Scratch Resistant



TRANSPARENT
High Light Transmission (for Displays)



CHEMICAL & GRAFFITI RESISTANT
Anti-vandalism



CUSTOMIZED HOUSING SOLUTION
Printable, Design & Color Flexibility

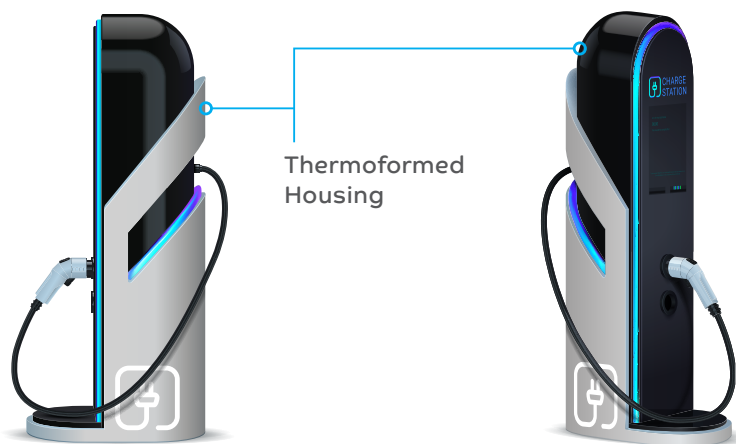


LONGEVITY
With an unique 15 Year Limited Warranty



SUSTAINABLE SOLUTION Recyclable

The transparent/translucent and opaque LEXAN™ polycarbonate sheet portfolio offers easy fabrication and handling properties, helping to produce charging stations with curved designs or displays options for the advertising or information panels.



Thermoformed Housing

APPLICATION		
Customized Housing Solution	LED / LCD Displays	Internal Components, Cabinetry

LEXAN™ Transparent/ Translucent Sheets	Hard Coated Sheet	•	•	
	Uncoated Sheet	•	•	
	UV Protected Sheet	•	•	•
	Flame Retardant Sheet	•	•	•
LEXAN™ FR Opaque Sheets*	Textured / Polished Sheet	•		•

* A variety of LEXAN™ Sheet product solutions are available in these application spaces, please get in contact with us to support you in the right product choice. All mentioned products are produced and supplied in the United States.

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