

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. 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 surface



DESIGN FREEDOM
Ease of Thermoforming and suitable for Low Production Volume



FLAME RETARDANT / HEAT RESISTANT
UL94 V0/5VA rating & UL746C P1 rating, UL Yellow Card available



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



HIGH DURABILITY
High Impact & Scratch resistance only for coated materials



TRANSPARENT
High Light Transmission (for Displays)



CHEMICAL & GRAFFITI RESISTANT
Anti-vandalism



CUSTOMIZED HOUSING SOLUTION
Printable, Design & Color Flexibility



LONGEVITY
Life time expectation over 30 years, comes with an unique 15 Year Limited Warranty



SUSTAINABLE SOLUTION
100% Recyclability

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.



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.

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