

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



FLAME RETARDANT / HEAT RESISTANT

UL94 V0/5VA rating & UL746C f1 rating, UL Yellow Card available



HIGH DURABILITY

High Impact & Scratch resistance only for coated materials



CHEMICAL & GRAFFITI RESISTANT

Anti-vandalism



LONGEVITY

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



DESIGN FREEDOM

Ease of Thermoforming and suitable for Low Production Volume



EASY FABRICATION

Cutting, Bending, and Assembling / Low Investment for Tooling



TRANSPARENT

High Light Transmission (for Displays)



CUSTOMIZED HOUSING SOLUTION

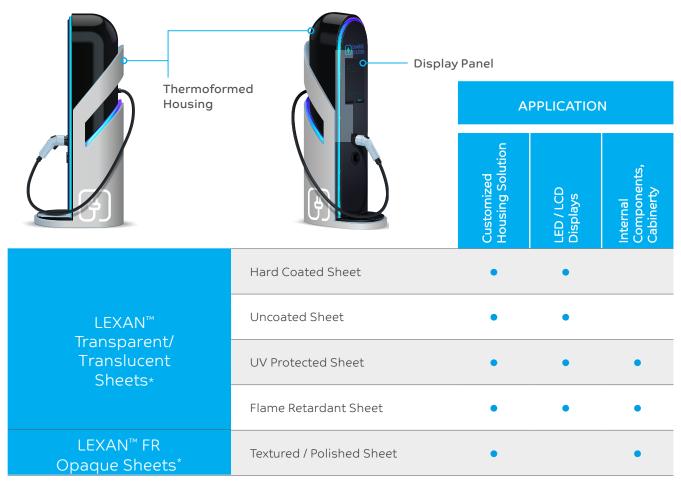
Printable, Design & Color Flexibility



SUSTAINABLE SOLUTION

100% Recyclability

The transparent/translucent and opaque LEXANTM 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.



 $^{^\}star$ A variety of LEXAN $^{ imes}$ Sheet product solutions are available in these application spaces, please get in contact with us to support you in the right product choice.

CONTACT US

Europe SABIC Functional Forms Plasticslaan 1 4612 PX Bergen op Zoom The Netherlands T +31 (0)164 293684 Eff.info@sabic.com

Pacific

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SABIC Functional Forms 2550 Xiupu Road Pudong 201319 Shanghai, China T +86 21 3222 4500 Eff.info@sabic.com

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