

# 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**

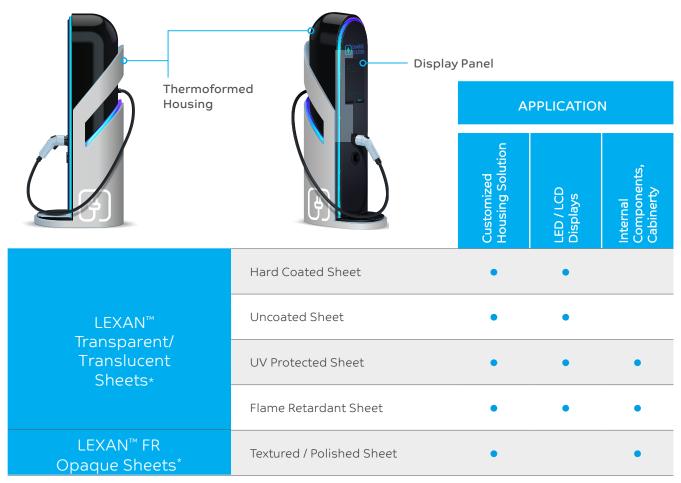
Printable, Design & Color Flexibility



# SUSTAINABLE SOLUTION

100% Recyclability

The transparent/translucent and opaque LEXAN<sup>TM</sup> 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.



 $<sup>^\</sup>star$  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**

such product, service or design in a manner that infringes any patent or other intellectual property right.

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

# **FOLLOW US**





THE MATERIALS, PRODUCTS AND SERVICES OF SABIC INNOVATIVE PLASTICS HOLDING BV, ITS SUBSIDIARIES AND AFFILIATES ("SELLER"), ARE SOLD SUBJECT TO SELLER'S STANDARD CONDITIONS OF SALE, WHICH CAN BE FOUND AT http://www.sabic.com and are available upon request. Although any information or recommendation contained herein is given in good faith, seller makes no warranty or guarantee, express or implied, (i) that the results described herein will be obtained under end-use conditions, or (ii) as to the effectiveness or safety of any design incorporating seller's products, services or recommendations. Except as provided in seller's standard conditions of sale, seller shall not be responsible for any loss resulting from any USE OF ITS PRODUCTS OR SERVICES DESCRIBED HEREIN. Each user is responsible for making its own determination as to the suitability of Seller's products, services or recommendations for the user's particular use through appropriate end-use testing and analysis. Nothing in any document or oral statement shall be deemed to alter or waive any provision of Seller's Standard Conditions of Sale or this Disclaimer, unless it is specifically agreed to in a writing signed by Seller. No statement by Seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Seller or as a recommendation for the use of

SABIC and brands marked with  ${}^{\rm TM}$  are trademarks of SABIC or affiliates. © Copyright 2023. All rights reserved.

