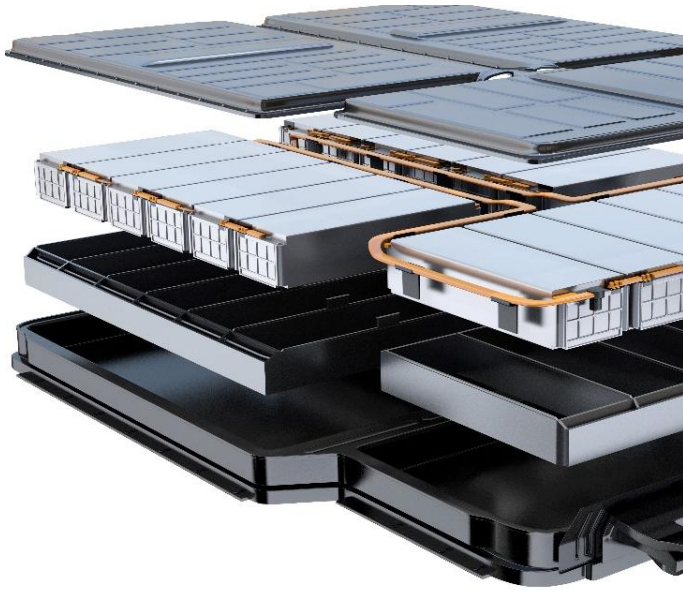
POLYVANTIS

ELECTRIC VEHICLE SUPPLY EQUIPMENT FOR CHARGING STATIONS & BATTERIES

WITH LEXAN™ POLYCARBONATE FILM

INTERNAL COMPONENTS OF BATTERIES & CHARGING STATIONS

Eco & Flame-Retardant LEXAN™ polycarbonate film is a suitable solution for internal components for both EV charging stations and batteries. These UL94-recognized and high CTI films can be perfect substitutes for metal and composites in insulation covers and battery packs. These films can be installed inside the battery, which acts as an insulator that provides excellent electrical insulation, especially for high-voltage EV applications.



PRODUCT BENEFITS

EXCELLENT DIMENSIONAL STABILITY
Long-term durability at high temperatures

COMPARITIVE TRACKING INDEX (CTI)
Highest CTI-rating of 600V

ECO FLAME RETARDANT
UL-94 Recognition, VTM-0 to V-0
No chlorine or bromine compliance

EXCELLENT INSULATION
Dielectric properties against high voltage

EASY TO BEND
Suitable for die-cutting & thermoforming

PRODUCT OFFERING

- Transparent, Translucent & Opaque LEXAN™ (E) FR PC Film Solutions
- Color availability: Transparent, Black & White

ENVIRONMENTALLY FRIENDLY SOLUTIONS

As part of our circular innovations and environmentally friendly solutions, we produce LEXAN™ EFR portfolio from Post-Consumer Recycled (PCR) resins that perform similarly to our virgin polycarbonate films. PCR EFR 565 film can potentially reduce the carbon footprint by 40%.

LEXAN™ FILM

DISPLAY & LIGHTING FOR CHARGING STATIONS

Taking further steps to improve charging stations functionality, we offer LEXAN™ coated film solutions for displays, used as advertising billboards or information panels. Moreover, LEXAN™ Diffuser films are a suitable candidate for station lighting delivering high light diffusion and transmission - using fewer LEDs and reducing fixture depth.



Displays for Advertising & Information Panels

Internal Components

PRODUCT BENEFITS

- HIGH WEATHERING PERFORMANCE
- HIGH LIGHT DIFFUSION
- EXCELLENT IMPACT & SCRATCH RESISTANCE
- UV PROTECTED COATING
- EASY PROCESSING, PRINTABLE & FLEXIBILITY IN DESIGN
- HIGH CHEMICAL RESISTANCE

PRODUCT OFFERING

- Transparent LEXAN™ Coated Film for Displays
- LEXAN™ Light Diffuser Film for Lighting
- LEXAN™ Flame Retardant Films for internal components

APPENDIX

Scan the QR code to view the full applicable portfolio

POLYVANTIS

Polycarbonate products are sold globally under the trademark LEXAN™ Film & Sheet, owned by SABIC or its subsidiaries or affiliates.

polyvantis.com

LEXAN™ POLYCARBONATE FILM & SHEET Tough, Virtually Unbreakable

LEXAN is a trademark of SABIC

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