

EMPOWERING ELECTRIC VEHICLE SUPPLY EQUIPMENT

Charging of today's electric vehicles is enabled by electric vehicle supply equipment (EVSE). Crucial to empowering safe, long-lasting supply equipment are materials that provide excellent impact performance, weatherability and chemical resistance.

SABIC's Specialties business portfolio offers a wide range of material solutions including LEXAN™ EXL and SLX copolymers, NORYL GTX™ and ULTEM™ resins for applications including connectors and sockets, support frames, console units, displays, port covers and exterior fascia.

LEXAN™ EXL copolymer

- Excellent low temperature impact
- Weatherability
- Improved chemical resistance
- Excellent processability
- Impact retention with heat and humidity aging
- Non-chlorinated, non-brominated grades available

LEXAN™ SLX copolymer

- Extreme weatherability
- High heat and impact performance
- High light transmission, low haze
- Lower gloss loss and color shift

NORYL GTX™ resin

- Excellent impact and chemical resistance
- Dimensional stability
- Heat resistance to 240 °C
- Electrostatic painting & powder coating

ULTEM™ resin

- Superior heat resistance
- Excellent dimensional stability
- Hydrolytic and chemical stability
- Inherent non-chlorinated, non-brominated FR

DISPLAY

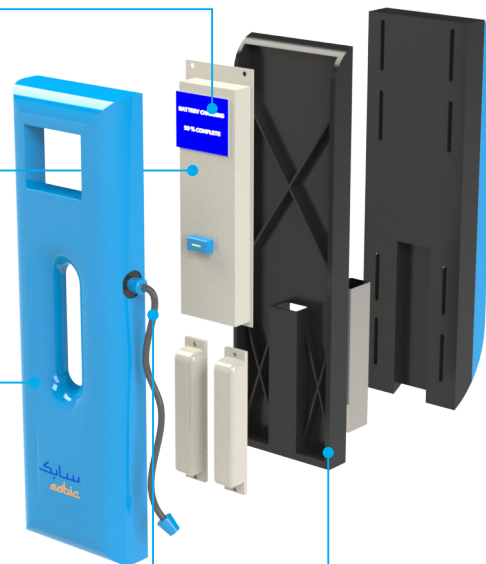
- LEXAN™ SLX copolymer (weatherability, impact, chemical resistance)

CONSOLE

- LNP™ THERMOCOMP™ compound (low moisture, high modulus, hydrolytic stability, chemical resistance)

FASCIA

- LEXAN™ SLX & EXL copolymers (weatherability, impact & chemical resistance)
- NORYL GTX™ resin (high surface finish, dimensional stability, chemical resistance)



CONNECTOR & SOCKET

- NORYL GTX™ resin (low system cost, high surface finish, stiffness, dimensional stability, chemical resistance)

CHARGE PORT COVER

- NORYL GTX™ resin (high surface finish, dimensional stability, chemical resistance)



CONNECTOR

- ULTEM™ resin (high heat resistance, high mechanical performance, dimensional stability, inherent FR)
- LNP™ THERMOCOMP™ compound (low moisture, high modulus, hydrolytic stability, chemical resistance)

FRAME

- LEXAN™ EXL copolymer (weatherability, impact & chemical resistance)
- LNP™ VERTON™ compound (high mechanical performance)



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