EV–charger

Automotive

Envalior
Imagine the Future

Print Date: 2024–11–15

Benefits

◦ Dimensional stability

◦ UL94–V0 @0.75mm, GWI

◦ Extremely low moisture up–take

◦ Thermal shock resistivity

◦ High and stable dielectric strength

◦ Thermal oxidative resistance

◦ Enhances zero emission mobility of BEV

Details

Manufacturers of electric vehicle charging infrastructure are seeking to improve performance and reduce costs without compromising on aesthetics. Advanced polyamides with flame retardant (FR) additives are a popular choice for EV charging plugs, but the downsides versus additive–free materials include: poor surface appearance from UV exposure, lower mechanical performance, limited color options, and higher cost. Envalior's Akulon® PA6 and PA66 material solutions offer a superior and proven alternative to common FR materials used in EV Charging Plugs. The Akulon® family of engineering materials delivers durable, affordable and versatile performance. For peace of mind, they are also tested to meet or exceed the latest UL and IEC standards for fire and electrical safety.

Products

Akulon® Ultraflow XG–FKGS6
PA6–GF30 FR(40)

Speciality products

Enhances zero emission mobility of BEV