Asahi KASEI

Modified-PPE XYRON™ & Non-halogen FR Polyamide LEONA™ SN Series

Solutions for Safe and Compact EV Batteries

Product Overview

To increase energy density, each automotive battery component unit requires greater efficiency and functionality through downsizing, weight reduction, thermal management, and other measures.
Asahi Kasei offers various grades of XYRON™ m-PPE and LEONA™ PA66 for EV battery applications.

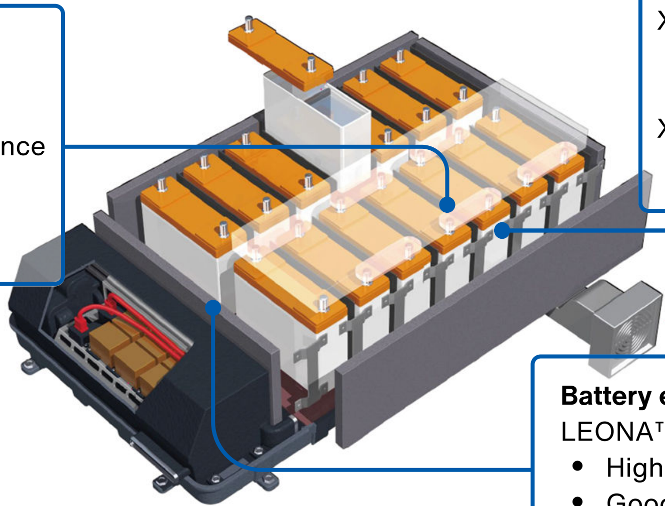
XYRON™:
Modified-PPE has the lowest specific gravity among engineering plastics. In addition to high heat resistance, it features an excellent flame resistance, insulation, dimensional stability, and water resistance.

LEONA™ SN Series:
Alloy grades of semi-aromatic polyamide (PA) with PA66 feature a good appearance, high strength and non-halogen flame retardance.

Application Fields and Grade Proposals

Busbar cover
LEONA™ SN11B, SN103
- Flame retardancy
- Excellent tracking resistance
- Thin-walled moldability

XYRON™ X9110
- High heat resistance



Inter-cell spacer
XYRON™ TA720, TF701
- Excellent tracking resistance
- Excellent creep resistance

XYRON™ 340Z
- Flame retardancy

Battery end plate
LEONA™ SN11B, SN103
- High strength and high rigidity
- Good electrical properties (CTI)
- Good laser printability

Benefits for Customers

- Space-saving and lightweight for batteries
- Reducing environmental impact and improving safety with non-halogen flame retardants

Further Information

Visit: https://www.asahi-kasei-plastics.com/en/trend/battery-01/

Creating for Tomorrow

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