

# Typical xEV applications

LYB APS has offered a wide material portfolio and rich expertise to meet and exceed your ambitious specifications and to bring more added-value to your organizations

## Power electronics (BMS, MSD, etc.) & HV connectors

### Schulamid 6/66 GF30 VO halogen free (PA6/PA66 GF30 VO)

- Excellent self-extinguishment properties combined with good mechanical performances.
- Meets the most stringent safety requirements for electrical applications.



### Schulaketon GF30 4DE OR (POK) (plug boards)

- High tensile strength and modulus as well as high impact strength
- Very good electrical properties (CTI>600V, high electrical resistivity etc.)
- UL94 V0/0.4mm, GWFI 960, GWIT 825.



### PCR solutions

- PBT/r-PET low carbon footprint with high cost competitiveness

## Battery pack structure parts (cell frame, tray, end/side plate, CCS bracket etc.)

### Polyflam RPP 4220/4225/4230 (PP+GF20/25/30)

- PP-Homo UL94 V0 halogen free in different colors.
- CTI>600V, compliant with WEEE and ROHS regulations.



## Extruded busbar

### Schulaketon E OR (POK)

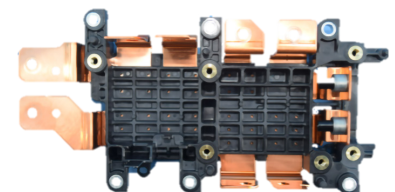
- High heat resistance vs. PA12 (melt point:198C vs.178C)
- Excellent tensile strain vs. PA12 (35%vs.cond.12%)
- Better electrical insulation performance.
- Low carbon foot print & competitive cost



## E-Driving unit (DC busbar, AC busbar, phase busbar, filter bracket, capacitor housing, IGBT/SiC cooling bracket etc.)

### Schulatec impact modified PPS GF30/GF40/MGF50

- Impact modified with excellent thermal shock resistance
- Very high heat resistance
- Inherently excellent chemical resistance (ATF oil etc.)



# About us

We are LyondellBasell (LYB) – a leader in the global chemical industry creating solutions for everyday sustainable living. Through advanced technology and focused investments, we are enabling a circular and low carbon economy. Across all we do, we aim to unlock value for our customers, investors and society. As one of the world's largest producers of polymers and a leader in polyolefin technologies, we develop, manufacture and market high-quality and innovative products for applications ranging from sustainable transportation and food safety to clean water and quality healthcare. For more information, please visit [www.lyb.com](http://www.lyb.com) or follow [@LyondellBasell](https://www.linkedin.com/company/lyondellbasell) on LinkedIn.

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