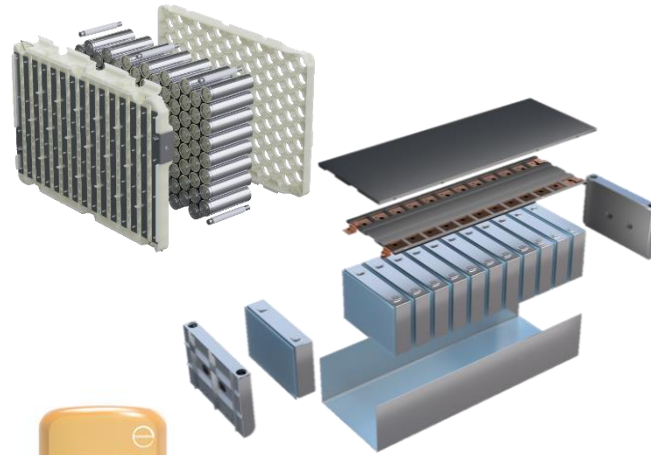


New (CTI / FR)¹ Polycarbonates For HV Applications

Combining the best of two material worlds.



New amorphous, dimensional stable & high (CTI / FR)¹ materials for usage in Li-Ion batteries, high voltage components in the electric powertrain & in the EE industry

- ✓ CTI¹ 600 V, UL94 V-0¹
- ✓ Vicat temperature level: 105-145 °C
- ✓ E-modulus up to 8000 MPa (reinforced grades)
- ✓ Lower density than many GF filled materials or metals (un-reinforced grades)
- ✓ Including reinforced thermally conductive & electrically insulating Makrolon[®] TC grades
- ✓ Low predictable shrinkage & warpage enabling precise molding & dimensionally stable parts.
- ✓ Available colors²: please contact Covestro

Products³

Bayblend[®] TP3008 CTI, Bayblend[®] TP3015 CTI

Makrolon[®] TP6019 CTI

Makrolon[®] TP5070, Makrolon[®] TP5121

¹ CTI and UL94V / FR data is the result of Covestro internal test data.

² Colors: preliminary, please contact Covestro

³ Trail products: preliminary properties, typical values only

NOTE: Covestro data & measurements not guaranteed by this presentation. Please refer to the official Covestro material data sheets.