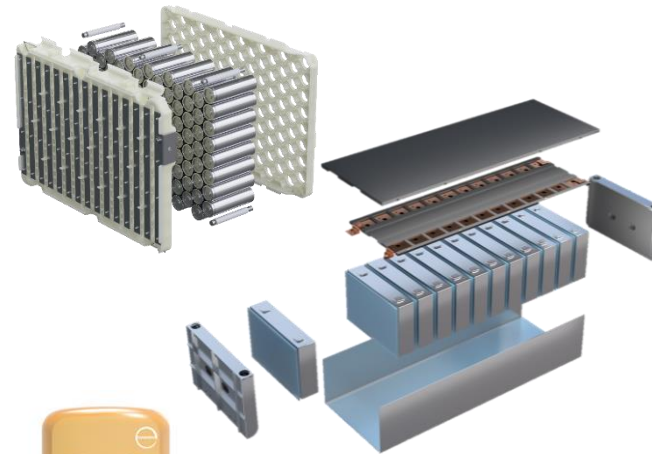


New (CTI / FR)¹ Polycarbonates For HV Applications

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: 105-130 °C
- ✓ E-modulus up to 7700 MPa (reinforced grade)
- ✓ Lower density than many GF filled materials or metals (un-reinforced grades)
- ✓ Including one reinforced thermally conductive & electrically insulating Makrolon[®] TC grade
- ✓ Low predictable shrinkage & warpage enabling precise molding & dimensionally stable parts
- ✓ Available colors²: please contact Covestro

Products

Bayblend[®] FR3015 CTI, Bayblend[®] TP3008 CTI

Makrolon[®] FR6019 CTI

Makrolon[®] TP5070

¹ CTI and UL94V / FR data is the result of Covestro internal tests. The CTI value according to IEC60112 is the highest voltage at which no specimen fails during testing on five samples, each after the application of 50 drops.

² Colors: preliminary, please contact Covestro

³ Preliminary, typical values only

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