

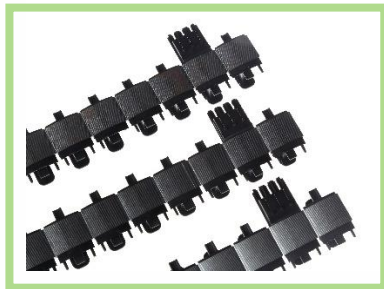
## ECO-FRIENDLY EPLON +

Epsan creates innovative solutions for the applications with the expectancy of high durability and visual aesthetics, in order to meet the expectations of the domestic appliance industry and end users. While, Epsan's products have certifications such as KTW and WRAS, it offers products that are also in compliance with ROHS and REACH standards.

Our client uses Epsan's eco-friendly EPLON+ and also flame retardant products. EPLON+ is the trade name of high performance PA6 and PA66 recycled compounds produced from postindustrial fiber waste and polymerization waste of polyamide producers. Thermal and mechanical properties are quite similar to primary PA compounds. It has a LCA(Life Cycle Assessment) Certificate.

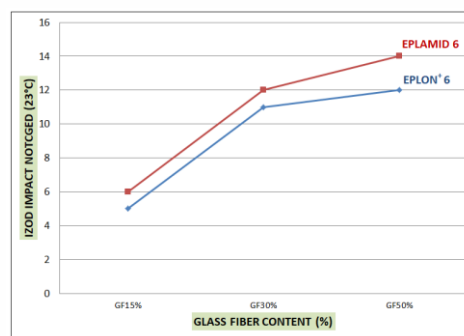
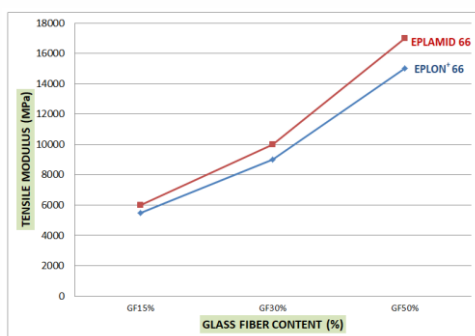
**Application area:** Insulator

**Epsan Solution:** Eplon+ 66 GVO 25 BK Q1C5D001



### Mechanical & Impact Properties

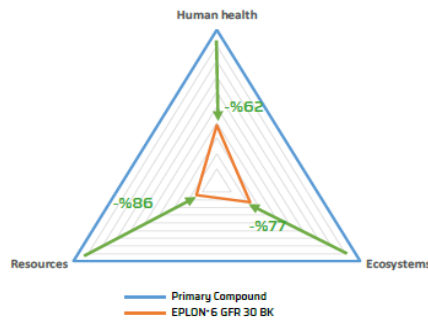
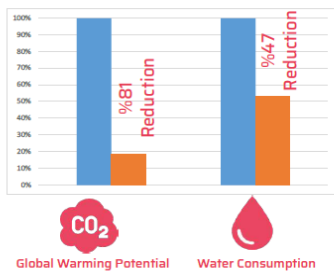
Graphics demonstrate that prime (Eplamid 66 and 6) and the eco-friendly product (Eplon+) have very similar mechanical and impact properties.



### EPLON+6 GFR 30 BK

Eplon+ has an LCA (Life Cycle Assessment) certificate that proves Eplon+6 releases 81% less CO<sub>2</sub> and consumes 47% less water. The chart on the right hand show the improvement by EPLON+6 GFR 30 BK over standard product on human health, ecosystem quality and resource consumption.

Comparative Life Cycle Assessment of 'PRIMARY' resin base and high quality post industrial recycled resin base 'EPLON+' compounds



### EPLON+66 GFR 30 BK

Eplon+ has an LCA (Life Cycle Assessment) certificate that proves Eplon+66 releases 79% less CO<sub>2</sub> and consumes 93% less water. The chart on the right hand show the improvement by EPLON+66 GFR 30 BK over standard product on human health, ecosystem quality and resource consumption.

Comparative Life Cycle Assessment of 'PRIMARY' resin base and high quality post industrial recycled resin base 'EPLON+' compounds

