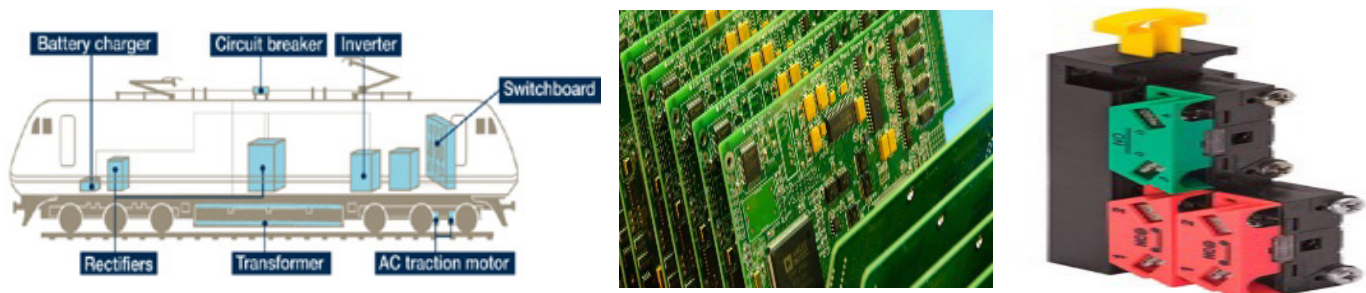




## Railway E&E Materials

EN-45545-2 requirements are highly significant for the railway materials as they are related to the burning behavior and properties of the product. Material requirements for the public transportation standards were easy to fulfill in the absence of EN-45545-2 standards but it has changed dramatically.

As the compounder of high-performance engineering plastics, Epsan has launched two special products to meet EN-45545-2 R22/R23/R24. These materials are used for insulators, current and voltage transformers, main circuit breakers, contactors, etc. and can potentially be a source of fire, because the current passes through them. In case of fire, the most important aspect is to provide safety evacuation for passengers. Therefore, it is very important to assess certain behavior of the material such as the burning behavior, the amount of oxygen needed for ignition, the amount as well as the toxicity released by the smoke.



Epsan solutions, **EPLAMID 6 GX0 30** and **EPLAMID 66 GX0 30**, were accredited according to the EN-45545-2 R22/R23/R24 HL3. They have unique characteristics for smoke toxicity and density and they fulfil all the other requirements in order to meet the EN-45545-2 standards at the higher level possible. While these products are halogen free, they also offer excellent mechanical properties, with flame behaviour UL94 V0@0.4mm and comparative tracking index reaching up to 600V. In addition, they can be produced in different colors according to the specifications required. Both materials have been registered @UL Underwriters laboratories (UL's Epsan file codification E335711). Our Italy Market Development Manager, Davide Meli said "The yellow card for Eplamid 6 GX0 30 is in progress and will be published soon."

For #TheBetterFuture, stay with EPSAN. #AgileInnovation #EN45545 #R22 #R23 #R24 #HL3

