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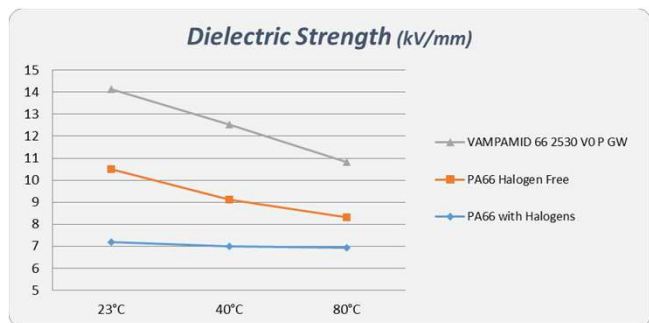
Household Appliances: flame retarded PA66 with red phosphorus

Vamp Tech provides **saving opportunities to the Household Appliances proposing VAMPAMID 66 2530 V0 P GW** for production of electrical components which support electrical connections carrying a current exceeding 0,2A.

This is a PA66 reinforced with 25% glass fiber, flame-retardant with red phosphorus, offering a profile of performance and certifications which fully meets the requirements and international standards for household appliances: **UL94-V0 up to 0,8 mm, Operating Temperature (RTI) 120°C** and mechanical properties suitable to support critical assembly operations and high stress in service.

In addition, VAMPAMID 66 2530 V0 P GW grants a **very high Glow Wire performance having GWEPT > 750°C** (Glow Wire End Product Test) according to the new definition introduced in the last update of the EN 60335 standard, published in December 2013. This performance, which is crucial for electrical devices in household appliances, has been tested on many thermoplastic components and confirmed an extremely high repeatability even after conditioning or by using 25% of regrind material during the injection molding.

Furthermore, tests performed in **hot-humid environment**, at 80°C/93% relative humidity for 168 hours, show a **retention of the electrical properties** (Dielectric Strength and Surface Resistivity) higher than that of PA66 flame retarded with halogens or PA66 with halogen-free additives.



A relevant advantage offered by VAMPAMID 66 2530 V0 P GW is given by the **significant reduction of component costs compared to PA66 with halogens** due to a very competitive price and a lower density. Finally, for those Companies which are sensitive to the procedures for recycling and disposal of electrical and electronic equipment, VAMPAMID 66 2530 V0 P GW, being halogen-free, **meets the requirements of the WEEE Directive** and does not require separate disposal of the component plastic or marking of the product with the recycle bin icon.

It follows that VAMPAMID 66 2530 V0 P GW is particularly suitable to be used in Household Appliances thanks to the following performance profile:

Operating Temperature (RTI) = 120 °C

GWEPT > 750 ° C - NO FLAME

V0 at 0.8 mm

CTI = 500V

Halogen free and in accordance with the requirements of the WEEE Directive

price significantly lower than the PA 66 with halogens or halogen free

density lower than PA 66 with halogens