

VAMP-TECH and the HOUSEHOLD CONNECTORS, complying to EN 60335 Norm

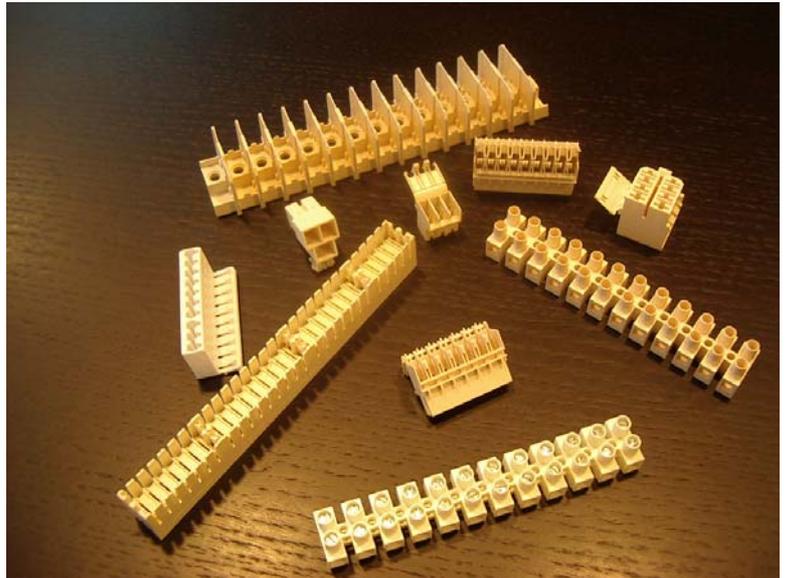
VAMP-TECH SpA, leading company for the development of flame retarded compounds, have worked out two compounds based on PA66 (**VAMPAMID 66 2526 VO** and **VAMPAMID 66 0023 VO H GW**) offering a safe and trustworthy solution for the production of household connectors complying with the new edition of the EN 60335 Norm.

Vampamid 66 2526 VO is a polyamide 66 with 25% glass fibre and complete Yellow Card (UL 94 VO up to 0,8 mm with RTI 140°C). Moreover, this product is PBDE and PBDF free and it guarantees excellent dimensional stability and mechanical properties. The CTI (Current Tracking Index) value is higher than 400 V.

Vampamid 66 0023 VO H GW is a polyamide 66 unreinforced, with Yellow Card (UL 94 VO up to 0,8 mm and UL94 V2 at 0,4 mm). Moreover, this product is PBDE and PBDF free and, thanks to an elongation at break higher than 15%, it guarantees an excellent hinge effect as well as excellent elasticity in the assembly stage. The CTI (Current Tracking Index) value is higher than 250 V.

The EN 60335-1 Directive, 4th edition, requires the use of flame retarded compounds with resistance to the glow wire with no fire at **775°C (GWIT)** and the ability to self-extinguish at **850°C (GWFI)**, for the production of those insulating parts carrying connections with current higher than 0,2 A,.

VAMPAMID 66 2526 VO and **VAMPAMID 66 0023 VO H GW** have both been certified by the German Institute **VDE** as products compliant to mentioned Norm and therefore they can be used to get certification from the same institute for those electric components (connectors, timers, switches, pumps, manostats, door blocks, etc.) which have to comply with the EN 60335 Norm.



Concerning the production of connectors, **VAMPAMID 66 2526 VO** has turned out to be excellent for parts with high rigidity, dimensional stability and/or for parts operating at high temperatures, while **VAMPAMID 66 0023 VO H GW** is preferred to produce connectors with low thickness and with hinge effect and for parts which have to guarantee elasticity and flexibility in the assembly stage.