



Advanced Modified Polymers

VAMP-TECH SpA

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## VAMP TECH EXCELLENCE, UL certification with RTI=155°C for PPA

Vamp Tech confirms its leadership for the high performances flame retarded compounds by certifying at UL its VAMPAMID HT 3028 V0, which shows higher performances than the market standards.



This new product is a PPA (PA 6T) with 30% glass fibre, UL94-V0 halogen free for all colours from 0,4 mm to 3,2 mm thickness.

Moreover, VAMPAMID HT 3028 V0 has an excellent resistance to the high temperatures and has obtained from UL the RTI certification (operating temperature in continuous) at 155°C at all thicknesses, which is the highest operating temperature among all PPAs of UL database, thus overcoming all the reference products present on the market.

The certification obtained by VAMPAMID HT 3028 V0 meets the requirement of the electric, electronic and lighting market as well as the

appliances sector, which need to manufacture components that can grant higher safety levels, resistance to high operating and production temperature, always thinner thickness and high dimensional stability which PPA can guarantee thanks to the low moisture absorption. The product is also available in a wide range of colours, required to differentiate and identify the components.

Finally, VAMPAMID HT 3028 V0, being halogen free, complies with the European Environmental Standards and to the WEEE norm for the recycling. It has also obtained the HL3 certification according to the European Norm for the public transport EN45545.

To sum up briefly, VAMPAMID HT 3028 V0 performances include:

- UL94-V0 at 0,4-3,2 mm for all colours
- RTI (operating temperature in continuous) = 155°C
- CTI (Comparative Tracking Index) = 600V
- GWIT (Glow Wire ignition Test) = 775°C no flame
- no halogens and compliance with RoHS and WEEE
- HL3 according to EN45545 R22/23

Today VAMP TECH portfolio includes, besides the flame retarded compounds, the following high performance grades:

- Metal Replacement (PA66, PPA)
- High Temperature (PPS, PPA and PEEK)
- Semi-conductive and antistatic + UL94-V0 (with carbon fibres, carbon nanotubes and polar polymers in flame retarded compounds)
- Self-lubricating + UL94-V0 (with silicone, PTFE, molybdenum disulfide and aramidic fibre in flame retarded compounds)

Component - Plastics <small>[guide info]</small>							E140692
<b>VAMP-TECH SPA</b>							
VIALE DELLE INDUSTRIE 10/12, BUSNAGO MI 20040 IT							
<b>Vampamid HT 3028 V0(e)(f)</b>							
Polyphthalamide (PPA), furnished as pellets							
	Min Thk	Flame			RTI	RTI	RTI
Color	(mm)	Class	HWI	HAI	Elec	Imp	Str
ALL	0.40	V-0	0	0	155	65	65
	0.75	V-0	0	0	155	125	130
	1.0	V-0	0	0	155	125	130
	2.0	V-0	0	0	155	125	130
	3.0	V-0	0	0	155	125	130
Comparative Tracking Index (CTI): 0			Inclined Plane Tracking (IPT): -				
Dielectric Strength (kV/mm): 36			Volume Resistivity (10 <sup>x</sup> ohm-cm): 15				
High-Voltage Arc Tracking Rate (HVTR): -			High Volt. Low Current Arc Resis (D495): -				
Dimensional Stability (%): -							
(e) - Marking consisting of a generic indication of color followed by an optional alphanumeric code indicating color shade							
(f) - Indicating optional marking consisting of an alphanumeric code referring to manufacturing process information							
ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.							
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