

LOW ACIDIC POLYAMIDE FOR HIGH VOLTAGE CONNECTORS IN E-MOBILITY

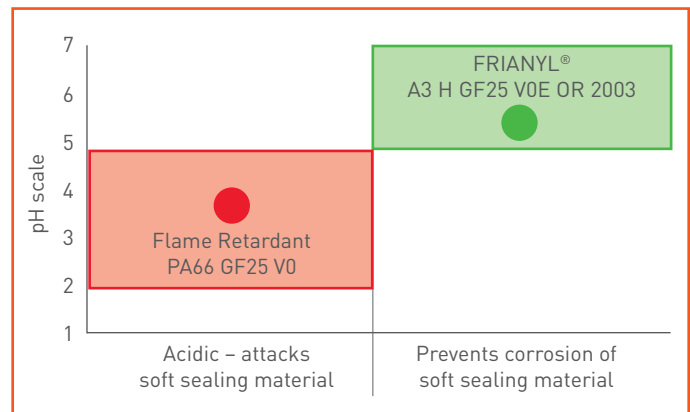
FRIANYL® A3 H GF25 V0E OR 2003 is an injection moldable halogen-free flame retardant PA66 GF V0 compound. Its low acid content can prevent corrosion of the soft sealings used in combination with high voltage connectors.

In addition FRIANYL® A3 H GF25 V0E OR 2003 provides excellent electrical and flame retardant properties together with a heat stable orange color RAL 2003.

FRIANYL® A3 H GF25 V0E OR 2003 is primarily used for high voltage connectors, especially in contact with soft sealings. FRIANYL® A3 H GF25 V0E OR 2003 has a low residual acidity resulting in pH 5.6. It delivers CTI 600V and UL 94 V-0 flame performance down to 0.4mm.

Typical Properties	
Residual acid value [pH]	5.6
Flame performance according to UL 94 at 0.4mm	V-0
Comparative tracking Index / CTI [V]	600
Tensile strength [MPa]	130
Tensile strain at break [%]	2.5
Charpy unnotched [kJ/m²]	55

- Low acid prevents corrosion of soft sealing materials
- Excellent electrical properties
- Halogen-free flame retardant
- Thermostable orange color RAL 2003



END USE APPLICATIONS

- Battery Management System
- Power Electronics
- Electrical Motors
- Charging Infrastructure

PRODUCTS FOR USE

- High Voltage Connectors
- Contactors, Relays
- Service Disconnects



Source Images: A2MAC1



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