TECHNYL® PROTECT
Flame retardants

Comprehensive and customized
range of flame- retardant products,
based on PA6, PA66, co-polymer PA66.6
and special blends, keeping people
and equipment safe from the spread of fire.
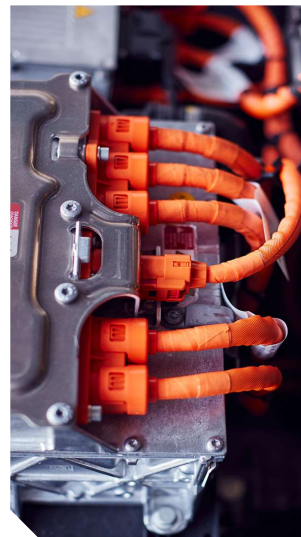
Fire Resistance

MAIN BENEFITS

Performance

- **Class-leading fire protection** and **electrical performance**

- **Outdoor application** suitable for some grades

- **Fully colorable, customizable** and **laser markable**

Processing

- **Easy molding**

- **Reduced production cost**

- **Reduced corrosion** of injection tools

MARKETS

- HOME APPLIANCES
- AUTOMOTIVE
- BUILDING & CONSTRUCTION
- ELECTRICAL & ELECTRONICS
- ENERGY MANAGEMENT

INDUSTRY-LEADING CERTIFICATIONS

Fire rating class: UL 94 V0, V1 or V2 depending on grade Yellow cards available, including RTI
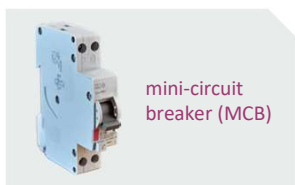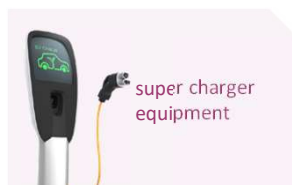
Certified under EN 45545 Railway standard

RoHS compliant WEEE2 2002/96/CE

+ Compliance with EU environmental waste management directives and WEEE2 2002/96/CE
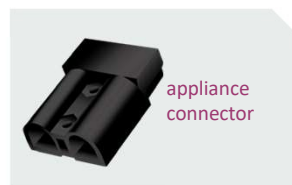
KEY APPLICATIONS

mini-circuit breaker (MCB)

super charger equipment

appliance connector

junction box solar panel

terminal block & connectivity system

DOMO

caring is our formula

TECHNYL® PROTECT
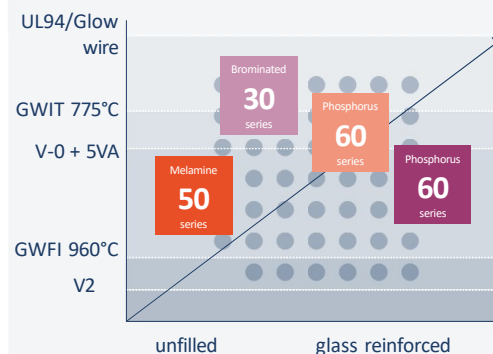## Flame retardants

PROOF POINTS

Fire

- UL certified materials with yellow cards – all colors available
- GWFI 960°C 0.8mm
- GWIT from 775°C and higher, thickness down to 0.4mm

Electrical performance

- RTI available depending on grades, up to 150°C for electrical RTI
- CTI up to 600V and IPTI available on some grades

General performance

- UL f1 rating for specific grades for outdoor requirements
- UL MB approved for specific grades

UL94/Glow wire

GWIT 775°C

V-0 + 5VA

Brominated **30** series

Phosphorus **60** series

Melamine **50** series

Phosphorus **60** series

GWFI 960°C

V2

unfilled   glass reinforced

KEY PRODUCTS

	BROMINATED PA66 – PA6	RED PHOSPHORUS PA66	HFFR PA6	HFFR PA66
FILLED	TECHNYL® PROTECT A 30H1 V30	TECHNYL® PROTECT A 20 V25	TECHNYL® PROTECT C 52G4 MZ25	TECHNYL® PROTECT A 60G1 V25
	TECHNYL® PROTECT C 30H1 V30	TECHNYL® PROTECT A 20 V35	TECHNYL® PROTECT C 52G1 MX25	TECHNYL® PROTECT A 60G1 V30
		TECHNYL® PROTECT AT 20 V25	TECHNYL® PROTECT C 52G2 MV25	TECHNYL® PROTECT A 60X1 V25
		TECHNYL® PROTECT A 21T3 V25	TECHNYL® PROTECT C 52G1 V20	TECHNYL® PROTECT A 60X1 V30
		TECHNYL® PROTECT A 21T4 V25 BK (new)	TECHNYL® PROTECT C 52G1 V25	
			TECHNYL® PROTECT C 52G1 V30	
			TECHNYL® PROTECT C 52G2 V20	
			TECHNYL® PROTECT C 52G3 V25	
UNFILLED	TECHNYL® PROTECT A 30G1		TECHNYL® PROTECT C 50H2	TECHNYL® PROTECT A 50H1
			TECHNYL® PROTECT C 50H3	TECHNYL® PROTECT A 50X1
			TECHNYL® PROTECT C 52G2	TECHNYL® PROTECT A 50X2
				TECHNYL® PROTECT A 50X3
				TECHNYL® PROTECT B 50H1

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