

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

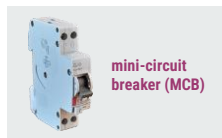


Certified under
EN 45545
Railway standard

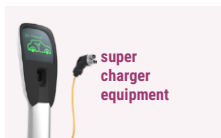


+ Compliance
with EU environmental
waste management
directives and
WEEE2 2002/96/CE

KEY APPLICATIONS



mini-circuit
breaker (MCB)



super
charger
equipment



appliance
connector



junction box solar
panel



terminal block &
connectivity
system

PROOF POINTS

Fire

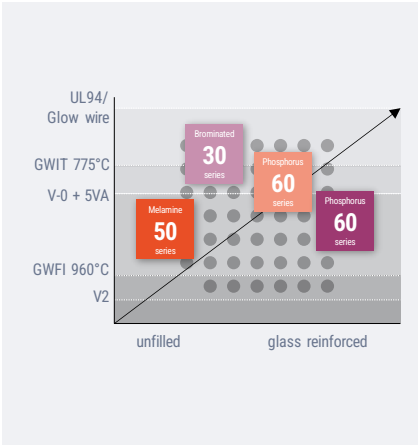
- **UL certified materials with yellow cards** – all colors available.
- **GWFI 960°C** 0.8mm.
- **GWIT from 775°C and higher**, thickness down to 0.4mm.

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.



KEY PRODUCTS

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