

TECHNYL STAR®

High-flow PA6 & PA66

A high-fluidity range for lightweight replacement of metal in structural applications – combining outstanding mechanical performance and incomparable processability.



Lightweight

MAIN BENEFITS

- **High flow polyamide** for easy processing and shorter cycle time
- **High strength polyamide** as a replacement for metal
- **Injection molding process** saves time, cost and energy in manufacturing
- Medium to highly **reinforced grades**
- Unique mechanical **performance, rigidity and resistance**
- **Flame retardant grades** (with numerous color options)
- **Excellent surface aspect**

MARKETS



AUTOMOTIVE

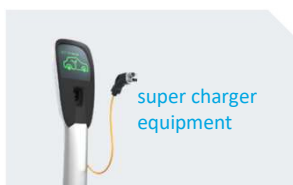


ELECTRICAL & ELECTRONICS

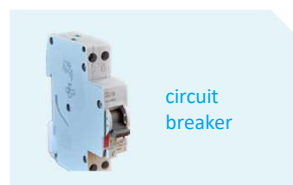


ENERGY MANAGEMENT

KEY APPLICATIONS



super charger equipment



circuit breaker



contactor



photovoltaic system



car cross-beam



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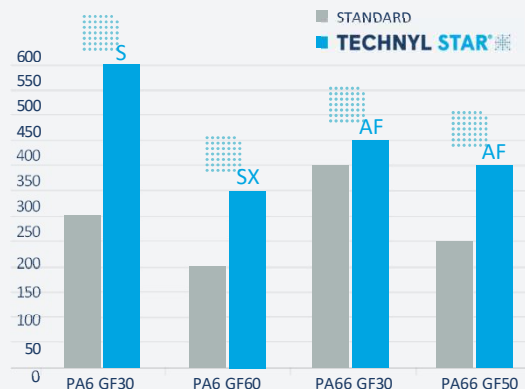
PROOF POINTS

- **Minimum 10% reduction** in injection cycle time
- **20% decrease** in injection pressure
- Clamping force **reduction of 30%** and a processing temperature **reduction of 40°C**
- Up to 45°C melt **temperature reduction**
- Up to 60% **more flowability**
- Improved **weld line resistance (+70%)**
- **Lower internal stress** in part
- **Lower maintenance costs and tool wear**

GRADES

TECHNYL STAR® offers a complete array of **high impact resistance polyamide metal replacement solutions**, from the medium reinforced **TECHNYL STAR® S** and **AF** for superior processing and molding efficiency, to highly reinforced **TECHNYL STAR® SX** and **AFX** for exceptional weight reduction and rigidity.

High fluidity technology
The spiral length test (DOMO method, mm)



Ideal for metal substitution



KEY PRODUCTS

PA66-based

TECHNYL STAR® AF 218 V30 BK 21N

TECHNYL STAR® AF 218 V35 BK 21N

TECHNYL STAR® AF 219 V30BK*

TECHNYL STAR® AFX 218 V50 BK 31N

TECHNYL STAR® AFX 218 V60 BK 31N

PA6-based

TECHNYL STAR® S 216 V30

TECHNYL STAR® S 218 V30

TECHNYL STAR® S 219 V30 NC*

TECHNYL STAR® SX 216 V50 NC

TECHNYL STAR® SX 216 V60 NC

TECHNYL STAR® SX 218 V50 BK Z

TECHNYL STAR® SX 218 V60 BK Z

HFFR (Halogen-free flame retardant)

TECHNYL STAR® S 60X1 V30 NC

TECHNYL STAR® S 60X1 V30 BK 15N

TECHNYL STAR® S 60X1 V30 – various colors (Grey, White...)

TECHNYL STAR® S 60X2 V30 BK 1N

TECHNYL STAR® S 52G1 MX25 GY2408

TECHNYL STAR® AF 60SX V30 GY7035 LPU

TECHNYL STAR® AF 60SX V30 GY2622

*with organic stabilizer

TECHNYL® IS EXCLUSIVELY PRODUCED AND COMMERCIALIZED BY DOMO WORLDWIDE

DOMO



www.domochemicals.com



caring
is our formula