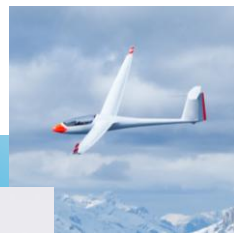


TECHNYL STAR®

High-flow PA6 & PA 6.6

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

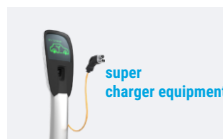


ELECTRICAL & ELECTRONICS

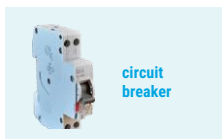


ENERGY MANAGEMENT

KEY APPLICATIONS



super
charger equipment



circuit
breaker



contactor



photovoltaic
system



car
cross-beam

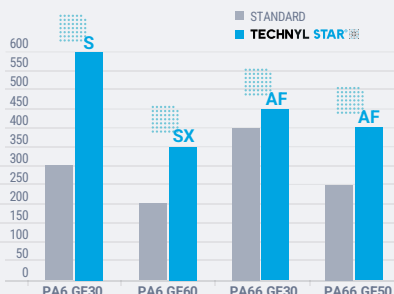


PROOF POINTS

- **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**.



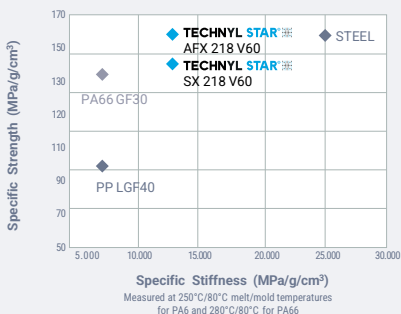
High fluidity technology
The spiral length test (RadiciGroup method, mm)



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.

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 V30 BK*

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

HFRR (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