

TECHNYL RED

High thermal resistance

Helps meet growing demand for downsized, turbo-charged engines that still offer power and performance.

For greater resistance to the higher temperatures and pressures of new generation engines.



Temperature resistance



MAIN BENEFITS

High thermal performances matching the need for strength and temperature endurance:

- can be **used as alternative to PPA** compounds in many applications,
- shows **good chemical resistance** to acid condensates and superior oil resistance,
- **high flowability** and **easy processing**,
- **great surface aspect**,
- **very good welding ability** with both vibration welding and hot gas welding technology.



KEY APPLICATIONS



charge air cooler



cylinder head cover



turbo air duct



resonator



air intake manifold
with integrated water cooled charge air cooler

MARKETS



AUTOMOTIVE

KEY PRODUCTS

Technyl® Red
A 218HPS V35 BK 21N

Technyl® Red
A 218HPS V50 BK 21N

Technyl® Red
J 218HP V35 BK 21N

Technyl® Red
J 218HP V50 BK 21N

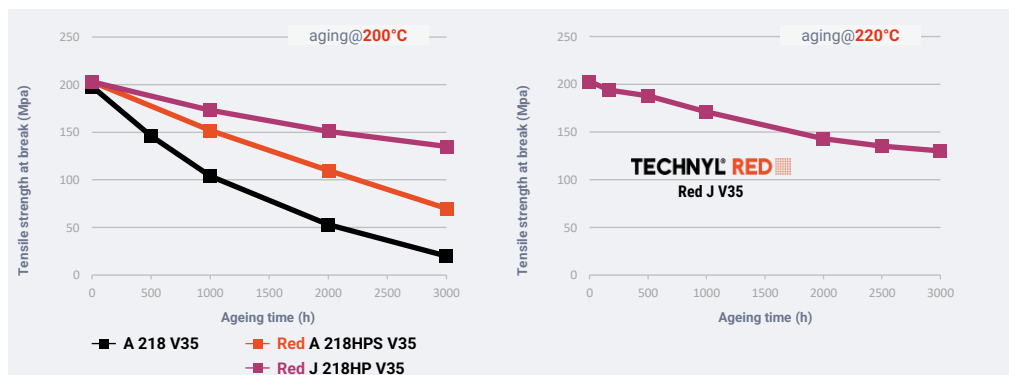
PROOF POINTS



EXCELLENT HEAT AGING PERFORMANCE

PPS / PPA SUBSTITUTION			
Up to 150°C	3000h / 175°C	1000h ~ 210°C 2000h / 200°C 3000h / 190°C	3000h / 220°C - GF35 2000h / 220°C - GF50 3000h / 210°C
TECHNYL[®] C 218 V30 BK	TECHNYL[®] A 218 V35 BK 21N	TECHNYL[®] RED HPS Red A 218HPS V35 BK 21N Red A 218HPS V50 BK 21N	TECHNYL[®] RED Red J Red J 218HP V35 BK 21N Red J 218HP V50 BK 21N
PA 6	PA66	PA66 + PA6 blend	PA66/6T
> Cost effective solution for temperatures up to 150°C.	> Heat stabilized PA66 for temperatures up to 175°C.	> Optimized for T ^m above 175°C up to 190°C. > Excellent processability and surface aspect. > Excellent weldability.	> Patented technology for high temperatures heat ageing performance. > High Flow, very good surface aspect. > Excellent chemical resistance.

Also available with 25 - 60% Glass Fiber ("V25" - "V60")



GRADES

With its innovative formulation, **Technyl[®]Red A** provides numerous benefits, such as **strong impact and corrosion resistance, high flowability, superior surface aspect and excellent weldability**. This nylon is designed to **resist continuous high operating temperatures up to 210°C** (for 1000h) or 200°C (for 2000 hours).

Based on patented PA66/6T technology, **Technyl[®]Red J** flows like **PA66**, ensures **high chemical resistance and excellent surface aspect**, while offering **outstanding long-term heat aging performance** at up to 220°C (for 3000 hours).

In addition, both **Technyl[®]Red A** and **Technyl[®]Red J**.