

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

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



KEY APPLICATIONS



charge air cooler



cylinder head cover



turbo air duct



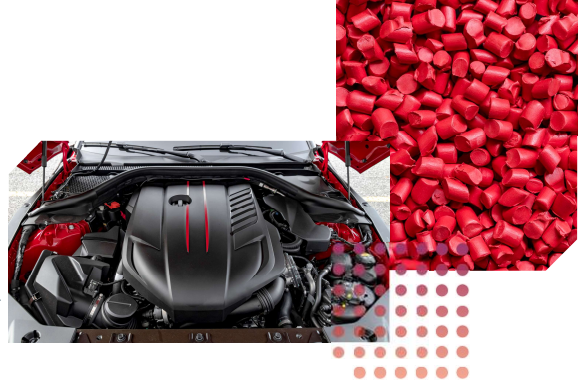
resonator



air intake manifold

TECHNYL® RED

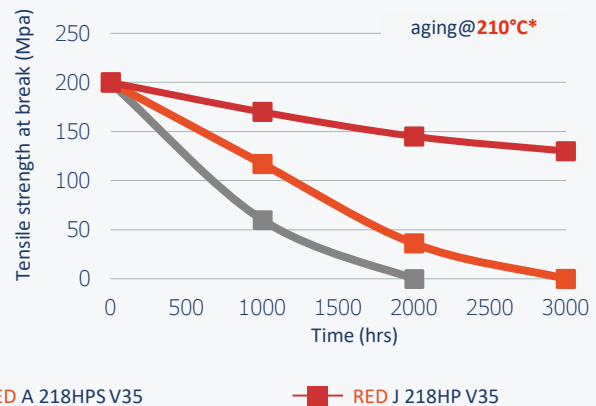
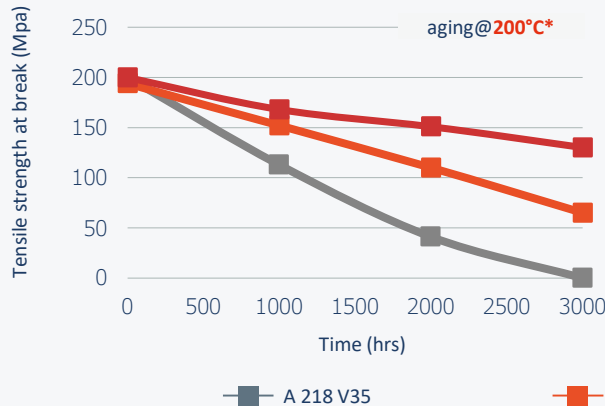
High thermal resistance



PROOF POINTS

EXCELLENT HEAT AGING PERFORMANCE

	Up to 150°C	3000h / 175°C	1000h / 215°C 2000h / 200°C 3000h / 195°C	1000h / 230°C 2000h / 220°C 3000h / 210°C
	TECHNYL® C 218 V30 BK PA6 Cost effective solution for temperatures up to 150°C	TECHNYL® A 218 V35 BK 21N PA66 Heat stabilized PA66 for temperatures up to 180°C	TECHNYL® RED HPS A 218HPS V35 BK 21N Triple 6 PA66/PA6 blend	TECHNYL® RED J J 218HP V35 BK 21N PA66/6T Patented technology for high temperature heat aging performance PPS/PPA SUBSTITUTION
	Also available with 25-60% glass fiber (V25 - V60)		Also available with 50% glass fiber (V50)	



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 2000 hours) or 210°C (for 3000 hours). In addition, it is well-suited for both vibration and hot gas welding.

TECHNYL® IS EXCLUSIVELY PRODUCED AND COMMERCIALIZED BY DOMO WORLDWIDE



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caring
is our formula