

Solvay Hall 7.2 Booth J95 | Chinaplas 2018 | April 24-27

## New Technyl® Red J provides superior heat ageing performance for turbo systems

*Exceptional long-term heat ageing performance up to 220°C  
High flowability, excellent surface aspect and weldability*

**Shanghai, PR China, April 24, 2018** – Solvay Performance Polyamides unveils Technyl® Red J, the polyamide-based material specially designed for turbocharger systems running at continuous temperatures up to 220°C.

*“Auto makers have recently been refining the real operating temperatures needed for thermal management systems. They realised that traditional high-heat polymers appear to be over-engineered and can also be too brittle to maintain required thermal, pressure and chemical performance over time,”* says Didier Chomier, Automotive Global Marketing Manager for Solvay’s Performance Polyamides Global Business Unit. *“In response to these specific auto industry needs we developed and are introducing Red J material. Red J is the top-of-the-range building block of our Technyl® Red offering for thermal management systems. The superior property profile of Technyl® Red J targets applications such as air intake manifolds, charge air coolers, turbo air ducts, resonators, cylinder head and engine covers.”*

Technyl® Red J offers outstanding long-term heat ageing performance of up to 220°C (at 2,000 hours) or 210°C (at 3,000 hours). Based on patented PA66/6T technology, Technyl® Red J flows like PA66, ensures high chemical resistance and excellent surface aspect.

In addition, it is highly suitable for both vibration and hot gas welding, delivering high burst pressure levels confirmed in extensive pulsated air pressure tests at Solvay’s Application Performance Testing (APT®) centers. Recommended melt and mold temperatures are significantly lower than competitive PA4.6 or PPA resins, which saves energy during processing and minimizes part cooling time.

To help customers leverage the full potential of its Technyl® Red thermal management solutions, Solvay Performance Polyamides offers a complete array of technical services designed to speed the time to market of new applications. This offering includes predictive simulation with MMI® Technyl® Design<sup>1</sup>, 3D printing of PA6-based functional prototypes in Sinterline® PA6 powders as well as part testing at fully equipped APT® Technyl® Validation centers<sup>2</sup>.

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<sup>1</sup> MMI Technyl® Design is an advanced service powered by Digimat from e-Xstream, an MSC Software Company

<sup>2</sup> APT centers are located in Lyon, France and Shanghai, China

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Learn more about Technyl® brand at [www.technyl.com](http://www.technyl.com) and follow us on [TWITTER](https://twitter.com/technyl) / [Facebook](https://www.facebook.com/technyl) / [Youtube](https://www.youtube.com/technyl) / [Instagram](https://www.instagram.com/technyl)

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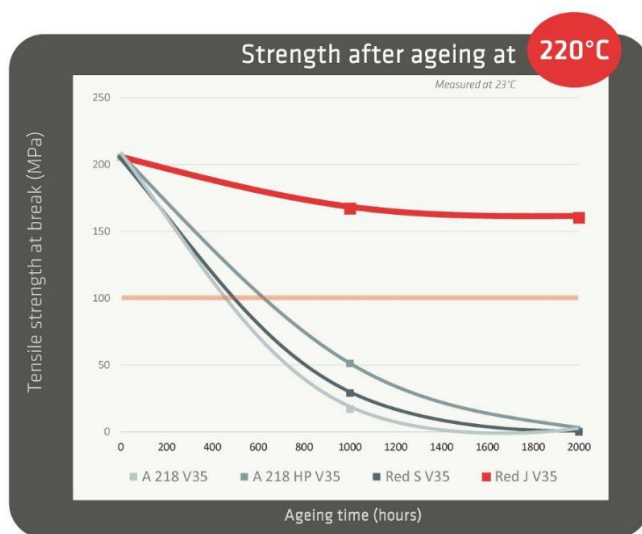
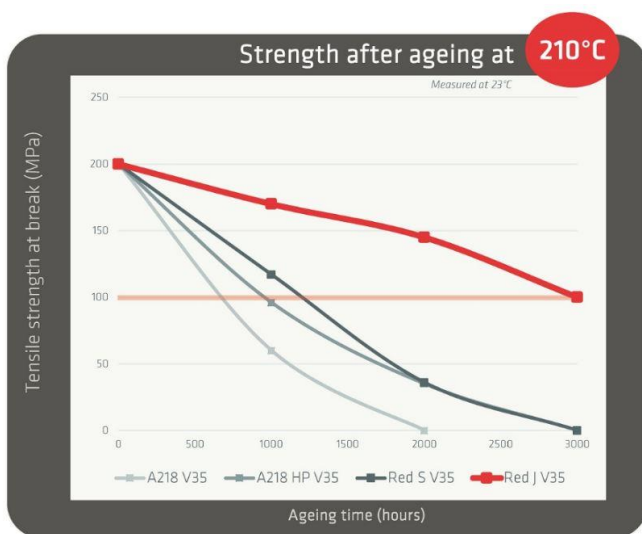
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Tensile strength after ageing: Test results have confirmed that 2,000 hours of working temperature at 220°C are perfectly manageable with Solvay's cost-effective new Technyl® Red J high-heat technology for automotive turbo engine components. Graphic courtesy Solvay Performance Polyamides.

**TECHNYL®**  
**RED J** 