

TECHNYL STAR® Products

TECHNYL STAR® is a unique technology polyamide 6 that brings unequaled fluidity.

DISCOVER THE BENEFITS

TECHNYL STAR® is recommended for a variety of applications such as office chairs, pedals/pedal boxes, automotive and EE applications. Several process advantages exist for these products such as cost efficiency high yield and flexibility in design.

PROCESS ADVANTAGES

- High fluidity
- Lower cycle time -20% (mini)
- Clamping force reduction -20% (mini)
- Injection pressure reduction -30% (mini)
- Temperature reduction: up to 40°C



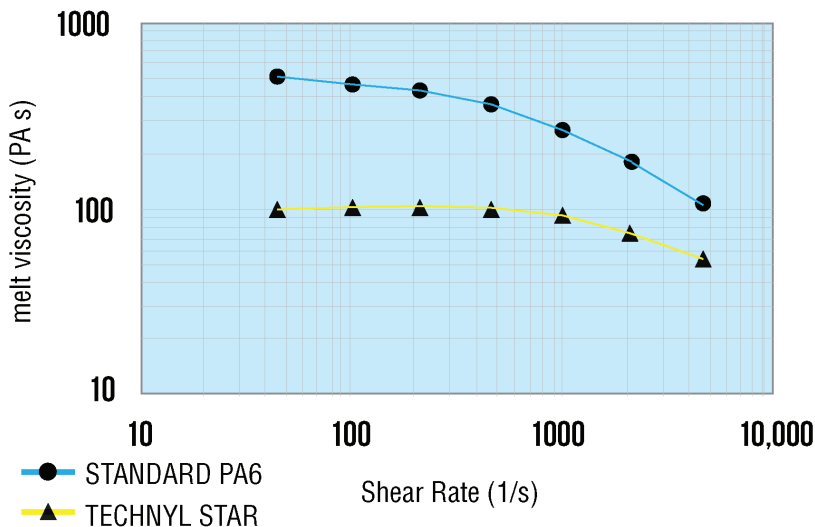
Technyl Star® Flow



Standard PA6 Flow

COST EFFICIENT HIGH YIELD

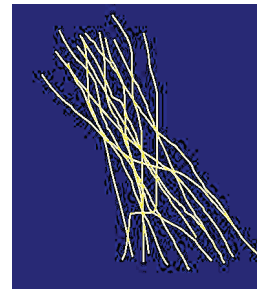
- Increased production rates
- Reduced equipment wear
- Opportunity to downsize machines
- Energy savings



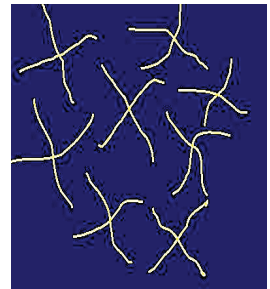
PART ADVANTAGES

When considering using TECHNYL STAR® for your next application, our knowledgeable team can explain several of the key benefits. These include excellent surface aspects, no glass fiber on surfaces, limited warpage as well as high stiffness and dimensional stability through reinforcement up to 65%.

- Flexibility in design
- Thinner ribs and walls
- Larger parts
- Improved surface aspect
- Highly compatible with coloring, painting, electroplating



LINEAR PA6
(Entangled structure)



STAR PA6
(Few entanglement)

Customers can rely on our team to be a resource of knowledge for questions regarding TECHNYL STAR® Products and to offer on-site field support worldwide.

Plastic & Lightweight **I-TON PALLET TRUCK**

Metal to plastic conversion: Solvay uses a complete and patented range of products that offers high fluidity and productive efficiency. These products are used to replace metal due to their physical and mechanical properties.

KEY CHARACTERISTICS INCLUDE:

- ISO Mechanical Performance
- Improved Surface Aspect
- Reduced Cycle Time
- Increased Productivity
- Reduced Injection Pressure
- Simplified Tooling
- Optimized Crystallization
- Reduced Energy, Lower Processing Temperature



With the depth of knowledge at Amco Polymers, we live up to our mission everyday and provide round-the-clock expertise that ensures our customers succeed. We pride ourselves in keeping up with the industry's newest technologies and thermoplastic grades, which helps improve your product quality, uptime and bottom line.



TESTIMONIAL

"We were looking for a material that met our needs. Others didn't even look at our criteria, but Amco Polymers found a material that matched it perfectly and we were impressed. Their knowledge of materials made the difference."