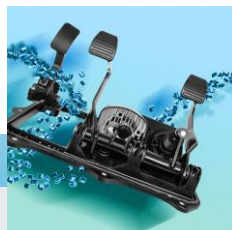


TECHNYL® MAX

High stiffness & strength

Technyl® Max is a polyamide reinforced with high levels of glass and carbon fibers, providing excellent weight-saving benefits due to its rigidity, resistance to fatigue, and dimensional stability. This material is perfect for structural applications and is a premier option for replacing metal.



Lightweight

MAIN BENEFITS

This advanced polyamide range successfully narrows the cost-performance disparity between conventional PA66 and more advanced solutions, including PA-LGF, PPA-GF and PPS-GF, in structural parts.

- **Higher fatigue resistance** than standard PA66.
- High **strength and stiffness even after conditioning**.
- Improved **creep**.
- Excellent **surface aspect**.
- Robust polymer: Up to 65% glass filled and 40% carbon filled for the highest mechanical performance.
- Good **chemical resistance**.
- Improved **dimensional stability** compared to standard PA66.
- **Easy processing** similar to standard PA66.

MARKETS



AUTOMOTIVE



CONSUMER & INDUSTRIAL GOODS



HOME APPLIANCES



BUILDING & CONSTRUCTION

KEY APPLICATIONS



Auto seat parts



Wearables



Bike frames



Coffee grinders



Trucks side fairing support



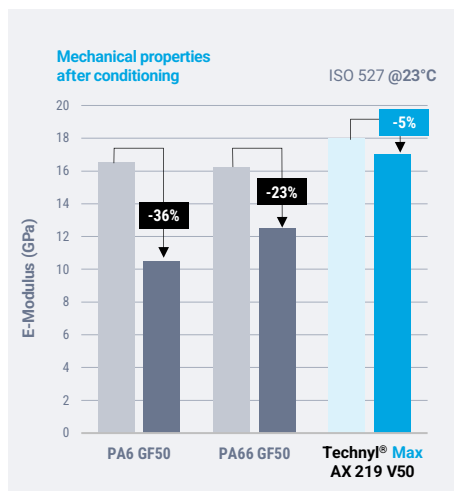
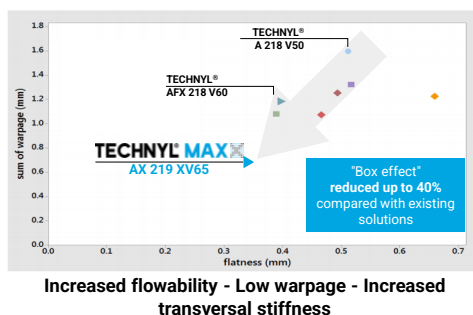
Drainage systems





PROOF POINTS

- High **tensile modulus** (Up to 33 GPa).
- **Stress at break** [MPa] (Up to 300).
- With performance drop **after condition** of 5% only.
- Warpage reduction.



GRADES

If your application demands outstanding mechanical performance of the component and more consistent performance after conditioning or exposition to elevated temperatures and moisture, water, or other liquids, then **Technyl® Max** is the ideal material. The **Technyl® Max XV** version stands out for applications that demand improved flowability, minimized warpage, or increased transversal stiffness.

KEY PRODUCTS

	Technyl® Max AX 219 RC40	PA66-Alloy, rCF40	High performance structural grade, designed to be used in molded part requiring very high stiffness and low density.
	Technyl® Max AX 219 V50	PA66-Alloy, GF50	High performance structural grade with high stiffness and good surface finish.
	Technyl® Max AX 219 V60	PA66-Alloy, GF60	High performance structural grade with high stiffness and good surface finish.
NEW	Technyl® Max AX 219 XV50	PA66-Alloy, special GF50	High performance structural grade with increased flowability, low warpage and high transversal stiffness.
NEW	Technyl® Max AX 219 XV65	PA66-Alloy, special GF65	High performance structural grade with increased flowability, low warpage and high transversal stiffness.
NEW	Technyl® Safe AX 219FC V50	PA66-Alloy, GF50, food contact approved	Designed to be used in molded part requiring high stiffness, and good surface finish in consumer & industrial goods as well as appliances in contact with food.