



OSTROM IN AUTOMOTIVE APPLICATIONS

	OSTROM 95-GF30	OSTROM 95-GF30-T10
	30% Glass filled	30% Glass filled + 10% talc
Tensile Strength (MPa)	38	49
Tensile Modulus (MPa)	4718	5614
Flexural Strength (MPa)	55	84
Flexural Modulus (MPa)	4938	5831
Heat Deflection Temperature (°C)	78.3	88
Charpy KJ/m2	8	7

Automotive parts must meet strict mechanical, thermal, regulatory, and manufacturing requirements to ensure durability, safety, and performance. They require high tensile strength and flexural modulus for structural integrity, along with good impact resistance and low shrinkage for dimensional stability. Materials often need to withstand high temperatures and UV exposure, while also offering outstanding processability optimized for injection molding.

As sustainability becomes increasingly important, automotive OEMs are under pressure to incorporate recycled content into parts—both to meet environmental regulations and to achieve corporate sustainability goals, all while improving overall vehicle performance.

Ostrom polymers offer a unique chemistry, that allow us to create 95% recycled content alloys with exceptional mechanical properties combined with great batch to batch consistency. Our glass-fiber reinforced products compete with other automotive resins on the market in high-performance requirements and in price.

To learn more about Ostrom by Apex Polymer Corp. please reach out to our sales team at kraza@apexpoly.com and find out how we can help you and your customers reach your sustainability goals.

