

MJF Spec Sheet

MATERIAL	TENSILE STRENGTH	TENSILE MODULUS	ELONGATION AT BREAK	FEATURES AND BENEFITS	APPLICATIONS	TECHNICAL DATA
NYLON PA12	7.25 ksi	275 ksi	17%	Robust thermoplastic Good granularity Biocompatible and chemical resistant Watertight without additional post-processing	Strong, functional, detailed, complex parts including connectors, containers, and complex housings.	Datasheet
NYLON GLASSBEAD	4.4 ksi	420 ksi	9%	40% Glass bead filled thermoplastic Dimensionally stable Best balance between performance and reusability	Stiff, functional parts such as enclosures, housings, fixtures, and tooling.	Datasheet
TPU	1.4 ksi	11 ksi	291%	Elastomeric polymer UV and hydrolysis resistant Thermal stability Biocompatible	Flexible, functional parts such as pipes, cables, and shock absorbing elements	Datasheet
PP	4.2 ksi	232 ksi	20%	Polypropylene Chemical-resistant and biocompatible Weldable Low-moisture absorption	Strong, functional pipes, fluid conduction systems, and containers.	Datasheet