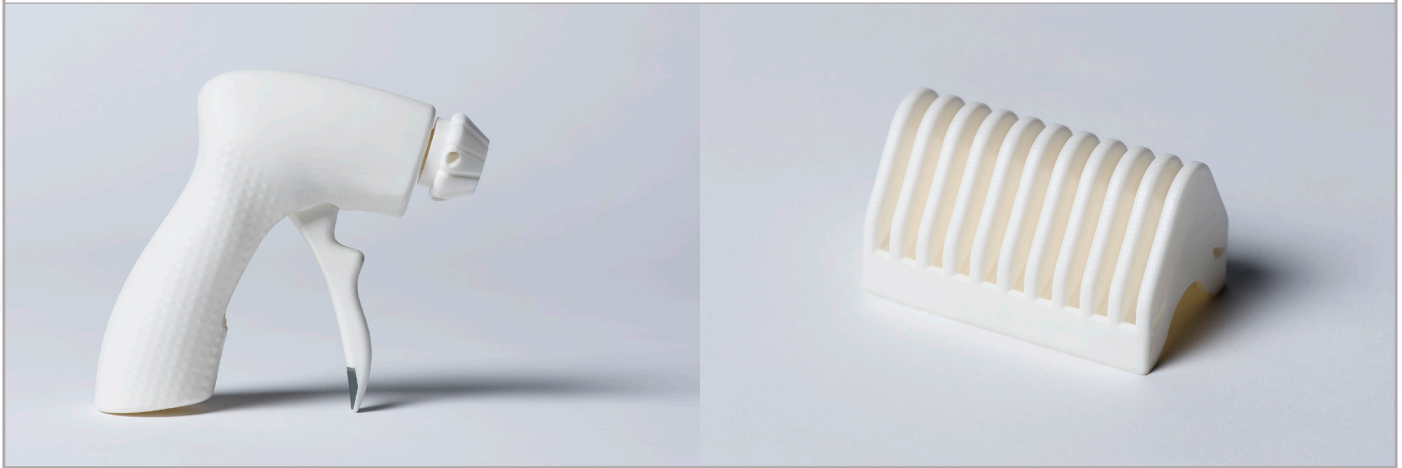


MPU 100

Technology: **Carbon DLS**

COLOR OPTIONS: White



APPLICATIONS: Medical capital equipment and single-use medical devices.

DESCRIPTION: MPU 100 is a rigid plastic combining the properties of biocompatibility, mechanical strength, and sterilizability with abrasion and chemical resistance. Strong and durable enough for medical environments. Maintains biocompatibility poststerilization. Sterilizable with ethylene oxide, e-beam, and gamma.

FEATURES: Production-ready, medical-grade polymer with engineering-grade mechanical properties. Compatible with cold sterilization techniques. Passes the following biocompatibility tests of ISO 10993-5, ISO 10993-10, and USP VI designation for plastics. Master file available with FDA. Certificate of Analysis is available upon request.

TECHNICAL DATA

PROPERTY	ASTM	METRIC UNITS
Tensile Strength	D638M	38 MPa
Modulus of Elasticity, Youngs Modulus	D638M	1,200 MPa
Elongation Break (%)	D638M	25 %
Flexural Strength	D790M	44 MPa
Flexural Modulus	D790M	1,000 MPa
IZOD Impact Strength (notched)	D256A	29 J/m
Heat Deflection Temperature @ 0.45 MPa/66 psi, (°C)	D648	48 °C