



RIGID POLYURETHANE (RPU 70)

STIFF ENGINEERING RESIN FOR CLIP

DESCRIPTION:

RPU IS THE STIFFEST AND MOST VERSATILE POLYURETHANE-BASED RESIN. IT PERFORMS WELL UNDER STRESS, COMBINING STRENGTH, STIFFNESS, AND TOUGHNESS. THESE PROPERTIES MAKE RPU PARTICULARLY USEFUL FOR CONSUMER ELECTRONICS, AUTOMOTIVE, AND INDUSTRIAL COMPONENTS, WHERE EXCELLENT MECHANICAL PROPERTIES ARE NEEDED.

RPU 70 IS A TOUGH, HEAT RESISTANT MATERIAL THAT IS A PERFECT FIT FOR THE PRODUCTION OF PARTS THAT REQUIRE A HIGH STRENGTH-TO-WEIGHT RATIO AND MODERATE HEAT RESISTANCE.



SERVICES AVAILABLE

- PRODUCT DESIGN
- RAPID PROTOTYPING
- SLA
- FRSLA
- POLYJET
- SLS
- DMLS
- FDM
- CLIP**
- CNC MACHINING
- INJECTION MOLD TOOLING
- RAPID TOOLING
- PRODUCTION TOOLING
- INJECTION MOLDING
- METAL CASTING
- PLASTIC CASTING

FLEXIBLE POLYURETHANE (FPU 230)

PROPERTY	ASTM	METRIC UNITS
ULTIMATE TENSILE STRENGTH	D638	45 ± 2 MPA
YOUNGS MODULUS	D638	1900 ± 200 MPA
ELONGATION-AT-BREAK	D638	100 ± 20 %
FLEXURAL STRENGTH	D790	62 ± 9 MPA
HEAT DEFLECTION TEMP	D648	58 - 70 °C

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