



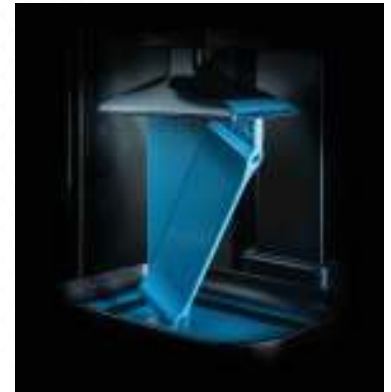
FLEXIBLE POLYURETHANE (FPU 230)

IMPACT RESISTANT ENGINEERING RESIN FOR CLIP

DESCRIPTION:

FPU IS A SEMI-RIGID MATERIAL WITH GOOD IMPACT, ABRASION AND FATIGUE RESISTANCE. THIS VERSATILE MATERIAL WAS DESIGNED FOR APPLICATIONS THAT REQUIRE THE TOUGHNESS TO WITHSTAND REPETITIVE STRESSES SUCH AS HINGING MECHANISMS AND FRICTION FITS.

FPU IS A TOUGH, IMPACT AND ABRASION RESISTANT WITH MODERATE STIFFNESS AND IT BEHAVES SIMILARLY TO INJECTION-MOLDED POLYPROPYLENE AND IS EXCELLENT FOR PRODUCING PARTS THAT REQUIRE LIVING HINGES.



FLEXIBLE POLYURETHANE (FPU 230)

PROPERTY	ASTM	METRIC UNITS
ULTIMATE TENSILE STRENGTH	D638	23 - 28 MPA
YOUNGS MODULUS	D638	600 - 850 MPA
ELONGATION AT BREAK	D638	200 - 250 %
FLEXURAL STRENGTH	D790	20 - 24 MPA
HEAT DEFLECTION TEMP	D648	52 C

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

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