



TM 78

Tough Material



Application Area

Functional prototypes

Housings and enclosures

Fixtures

Jigs

LuxCreo's general purpose material TM 78 provides fast printing speeds, low shrinkage, and impact resistance. TM 78 is ideal for stiff and durable prototypes, and when used for production, it has excellent performance in applications where it will withstand stress and tension.



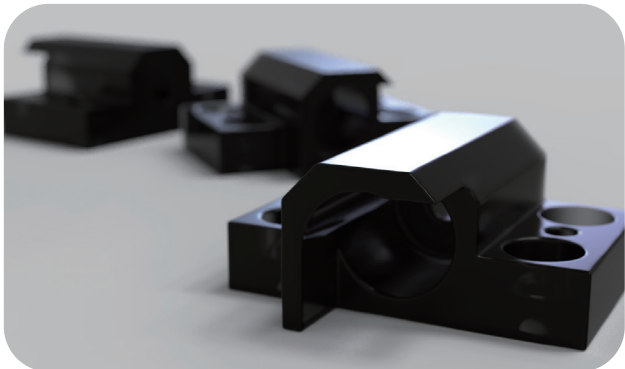
Fast Printing



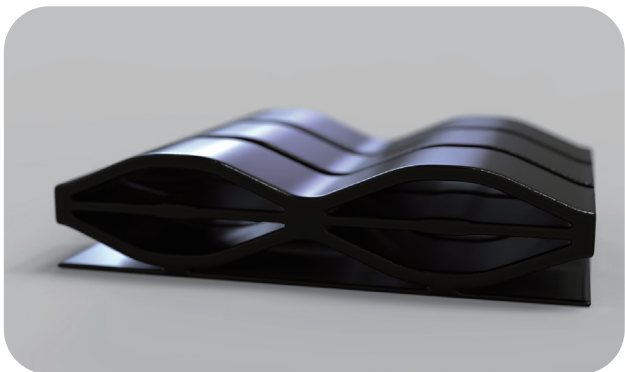
Low Shrinkage



Tough



Create functional prototypes that require stiffness and durability.



Use TM 78 to create housings, jigs and more.

Mechanical Properties :

Tensile Properties,ASTM D638	Metric	U.S.
Tensile Modulus	2157 MPa	312.9 ksi
Ultimate Tensile Strength	45.37 MPa	6.58 ksi
Elongation at Break	33 %	33 %
Tensile Strength at Yield	59.69 MPa	8.66 ksi
Elongation at Yield	4.6 %	4.6 %
Impact Properties, ASTM D256	Metric	U.S.
Notched Izod (Machined), 23 °C	40.2 J/m	0.75 ft-lbf/in

Flexural Properties ASTM D790	Metric	U.S.
Flexural Strength	77.06 MPa	11.18 ksi
Flexural Modulus	1730 MPa	250.9 ksi
Thermal Properties,ASTM D648	Metric	U.S.
Heat Deflection Temperature @ 0.455MPa/66psi	73 °C	163°F
General Properties	Metric	
Shore Hardness, ASTM D2240	80D	
Density, (UV cured), ASTM D792	1.198 g/cm ³	