

TM 78

Tough Material

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



Translucent
black



Gray

US : 940 Old County Rd, Belmont, CA, 94002, USA

CN : Room 1017, Building S5, Jinyu Smart Factory, Building Material City Mid Road No. 28, Haidian District, Beijing

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, ASTM D792	1.198 g/cm ³	

These data are typical values and were determined through testing on printers which are validated for use with Luxcreo's products. Mechanical properties will vary based on machine, part orientation, machine type, machine power, post curing of the printed parts, and cleaning. See product guide for post-processing procedure and best practices. Improper use or failure to adhere to the product guide may result in variations of color and mechanical properties. Luxcreo reserves the right to change material characteristics, and formulation without prior notification.