

PRODUCT DESCRIPTION

iForm RPU100 Standard Resin

YOUSU iForm RPU100 resin offers an excellent balance of hardness and durability which was designed to simulate Nylon plastic. Tough enough to stand up to the rigors of long-term, real-world use replacing traditionally injection molded components.

ATTRIBUTES		
Grade	iForm RPU100	
Color	Black	
Density(25℃)	1.07g/cm³	
Viscosity(25℃)	1500~1550cps	
Wavelength	405nm	
MECHANICAL PROPERTIES		
Tensile strength	31MPa	ASTM D638
Elongation at break	37%	ASTM D638
Flexural strength	37MPa	ASTM D790
Impact strength	20J/m	ASTM D256
Heat deflection temperature(0.45MPa)	65℃	ASTM D648
Hardness	85D	ASTM D2240
PRINTING IMFORMATION		
Normal exposure time	3s~5s	
Bottom exposure time	30s~40s	
Bottom layer	6	
Layer thickness	0.05mm	

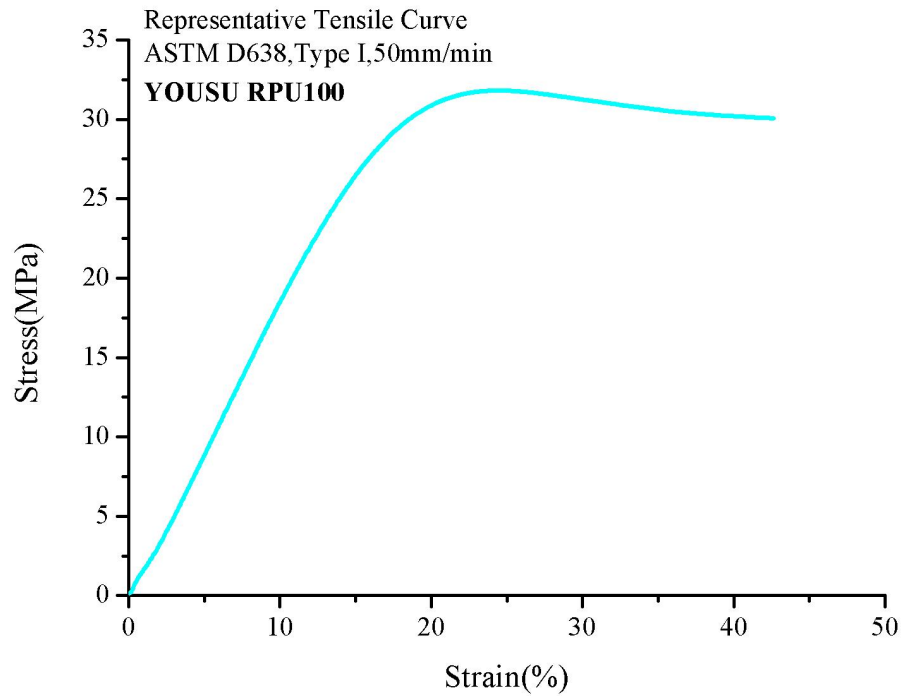
POST-PROCESSING STEP

1. Once the printing is completed, products need to rinse in alcohol and dry normally.
2. Post-curing is required for **some products** to reach its **highest** possible strength and stability.
3. Supports are removed from the products for a clean finish.

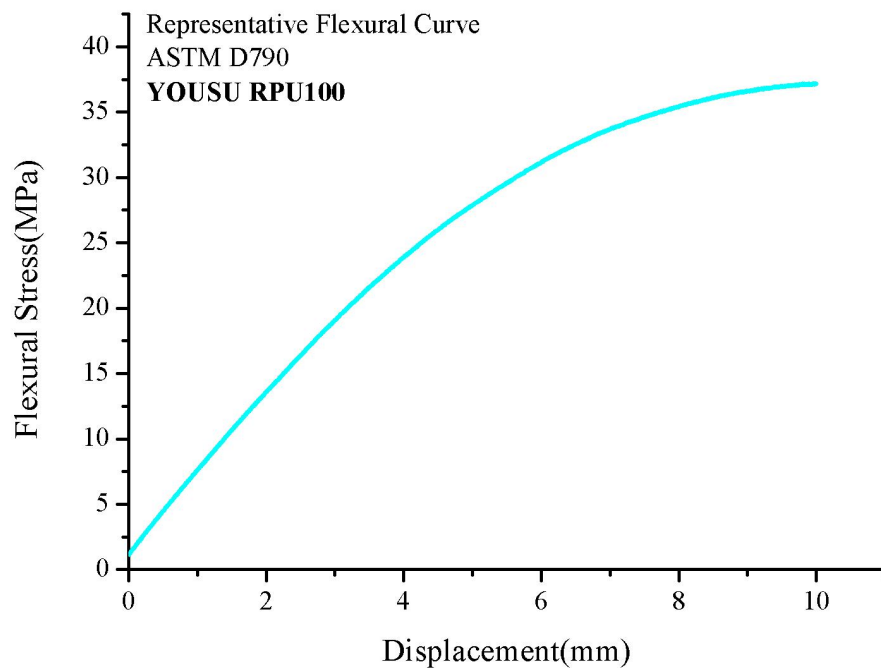
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MECHANICAL PROPERTIES

Representative Tensile Curve



Representative Flexural Curve



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