

PRODUCT DESCRIPTION

YOUSU 3D iForm 3162 resin for SLA printing

iForm 3162 is a kind of resin with low shrinkage and high strength and toughness, specially designed for SLA-3D printer to achieve better printing quality.

ATTRIBUTES		
Resin model	UV photosensitive resin for SLA	
Grade	3162	
Color	White	
Density(25℃)	1.12-1.16g/cm ³	
Viscosity(25℃)	450±50cps	
Wavelength	355/365nm	
Ec	9. 23mJ/cm ²	
Dp	0. 168mm	
MECHANICAL PROPERTIES		
Tensile strength	45Mpa-60Mpa	ASTM D638
Elongation at break	12%-23%	ASTM D638
Tensile modulus	500-800 Mpa	ASTM D638
Flexural strength	75-95Mpa	ASTM D790
Flexural modulus	2100-2800 Mpa	ASTM D790
Notched impact strength	30-60J/m	ASTM D256
Heat deflection temperature(0.45MPa)	59℃	ASTM D648
Hardness	85±5D	ASTM D2240
PRINTING IMFORMATION		
Laser power for support	280-350mw	
Scanning speed for support	1200-1800mm/s	
Laser power for physical layer	260-330mw	
Scanning speed for physical layer	6000-8000mm/s	

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Layer thickness	0.10mm
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POST-PROCESSING STEP

1. Once printing is completed, the product need to be rinsed in alcohol, after that, wipe the surface with cotton cloth, then dry normally.
2. Post-curing is required for **some products** to reach its **highest** possible strength and stability. a wavelength of 355/365nm lamp is recommended, and the power is 12~15w, curing for 120min would be excellent.



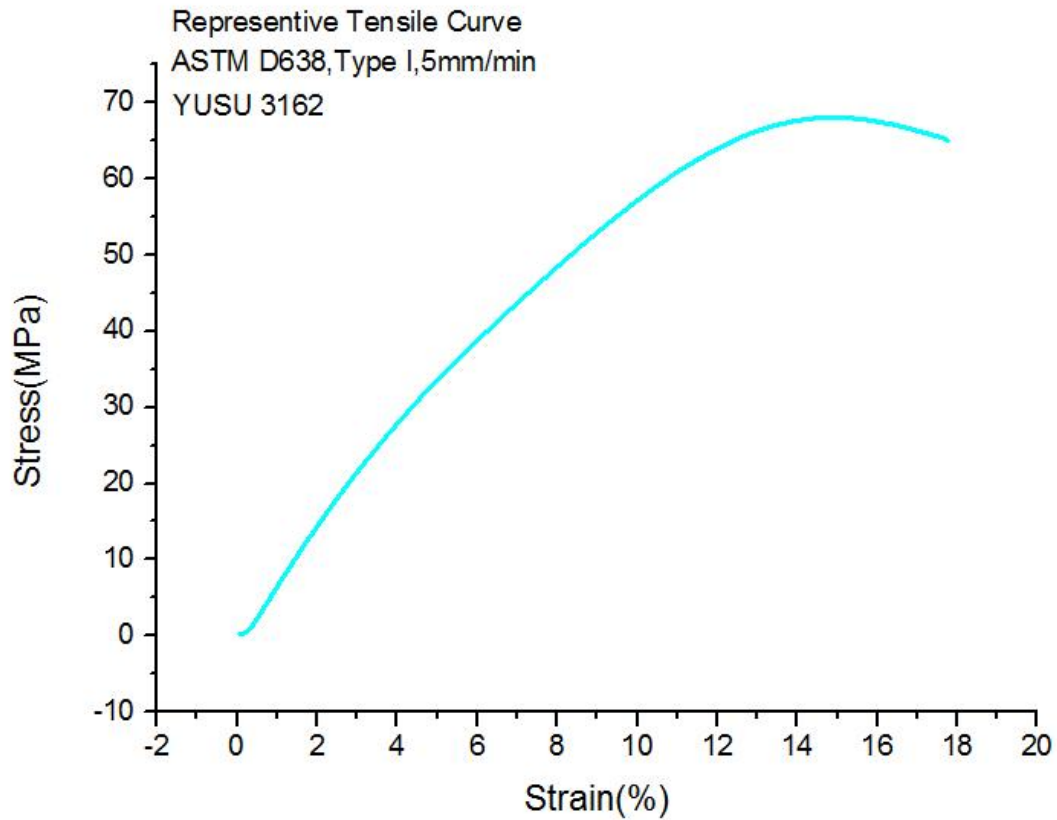
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MECHANICAL PROPERTIES

Representative Tensile Curve



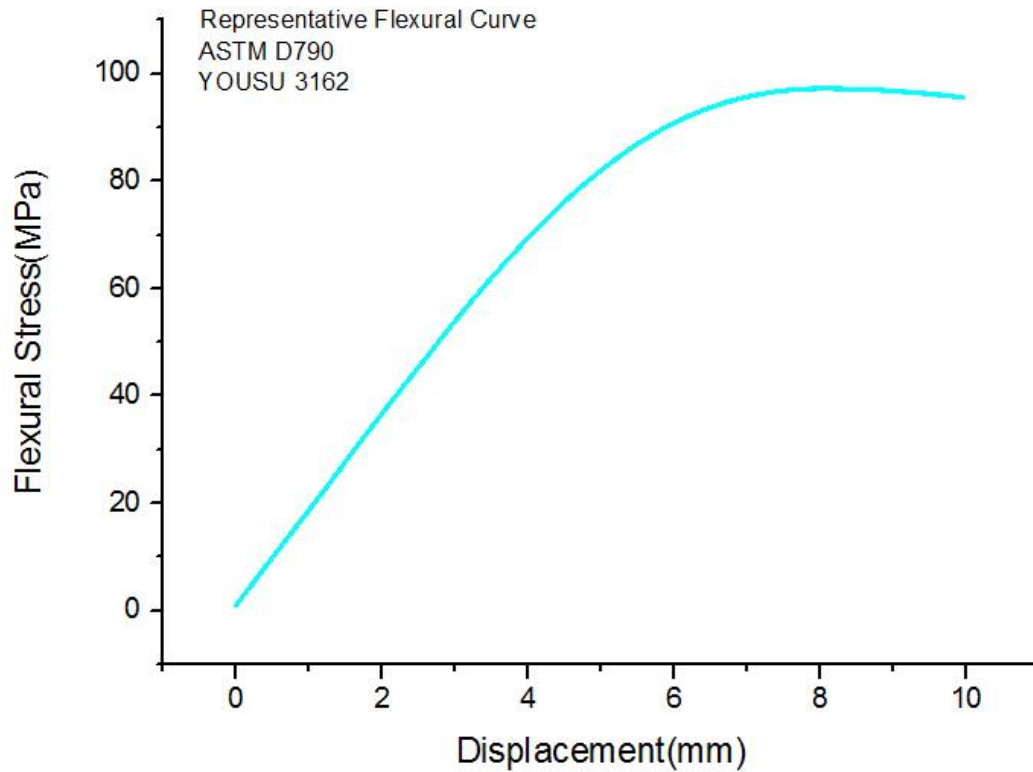
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Representative Flexural Curve



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