

## PRODUCT DESCRIPTION

### iForm 181C Standard Resin

iForm 181C Standard resin is a kind of resin with high precision and quick curing, specially designed for LCD 3D printer to achieve better printing quality.

ATTRIBUTES		
Grade	iForm 181C	
Color	White,Black,Grey	
Density(25℃)	1.07 g/cm <sup>3</sup> ~1.12g/cm <sup>3</sup>	
Viscosity(25℃)	80cps~110cps	
Wavelength	405nm	
MECHANICAL PROPERTIES		
Tensile strength	37Mpa~42Mpa	ASTM D638
Elongation at break	7.8%~9.3%	ASTM D638
Flexural strength	68Mpa~72Mpa	ASTM D790
Impact strength	16~18J/m	ASTM D256
Heat deflection temperature(0.45MPa)	> 80℃	ASTM D648
Hardness	85D~90D	ASTM D2240
PRINTING IMFORMATION		
Normal exposure time	2.5s~3.5s	
Bottom exposure time	15s~25s	
Bottom layer	6	
Layer thickness	0.05mm	

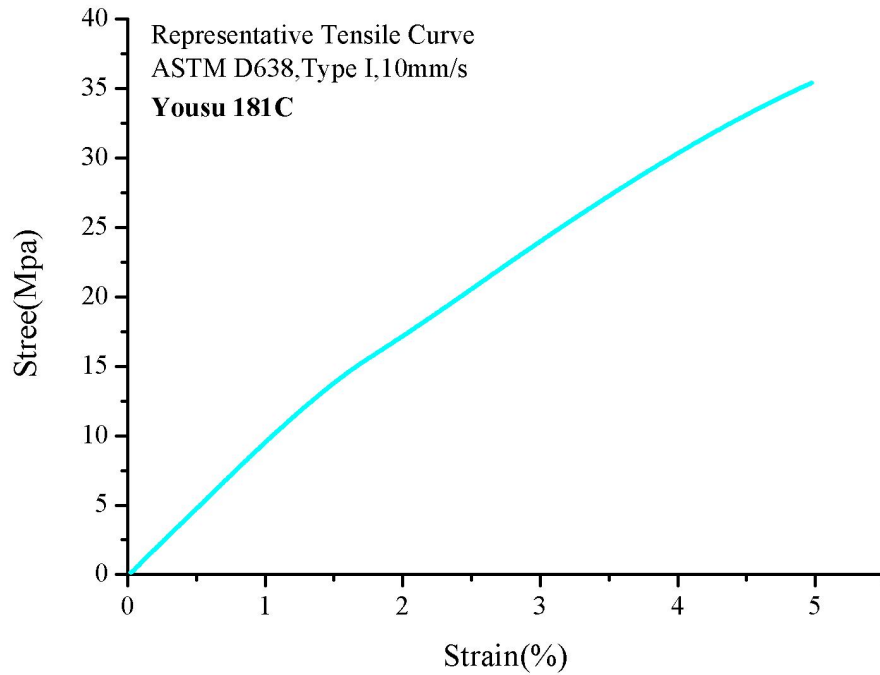
## POST-PROCESSING STEP

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.

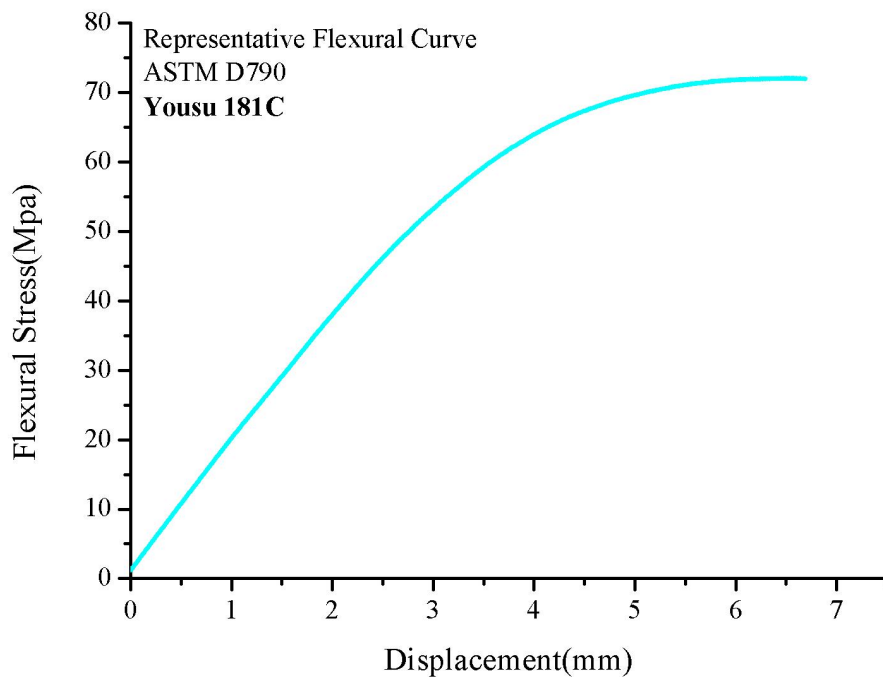
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## MECHANICAL PROPERTIES

### Representative Tensile Curve



### Representative Flexural Curve



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