

## Technical Data Sheet (TDS)

### iForm 182 Like ABS resin

ERYONE ABS like resin is a kind of polyurethane acrylic resin, has high mechanical properties, suitable for printing parts that require both tenacity and rigidity. Product characteristics: high impact strength, high mechanical strength and tenacity. Recommended application areas: product appearance, structure and assembly verification.

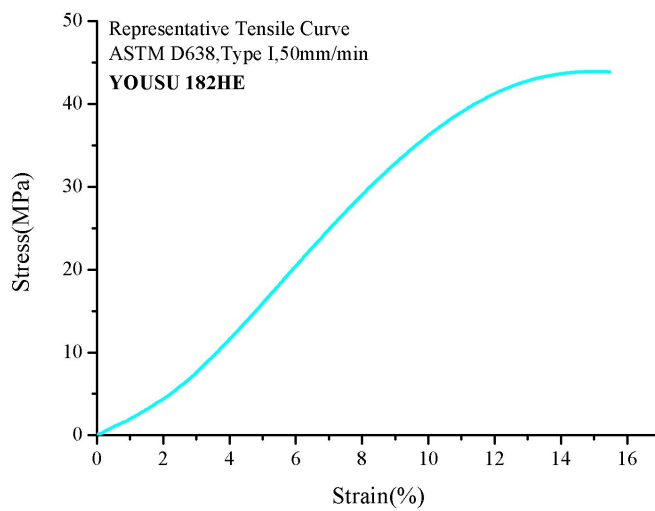
ATTRIBUTES		
Grade	iForm 182HE ABS-like resin for LCD	
Color	White,Black,Transparent,Bluish grey,Red wax,Transparent green,Transparent blue,Transparent yellow	
Density(25℃)	1.07g/cm <sup>3</sup>	
Viscosity(25℃)	220~260cps	
Wavelength	405nm	
MECHANICAL PROPERTIES		
Tensile strength	43MPa	ASTM D638
Elongation at break	15%	ASTM D638
Flexural strength	45MPa	ASTM D790
Impact strength	52J/m	ASTM D256
Heat deflection temperature(0.45MPa)	80℃	ASTM D648
Hardness	90D	ASTM D2240
PRINTING INFORMATION		
Normal exposure time	1s~2s	
Bottom exposure time	15s~25s(透明10s~12s)	
Bottom layer	6	
Layer thickness	0.05mm	

## POST-PROCESSING STEP

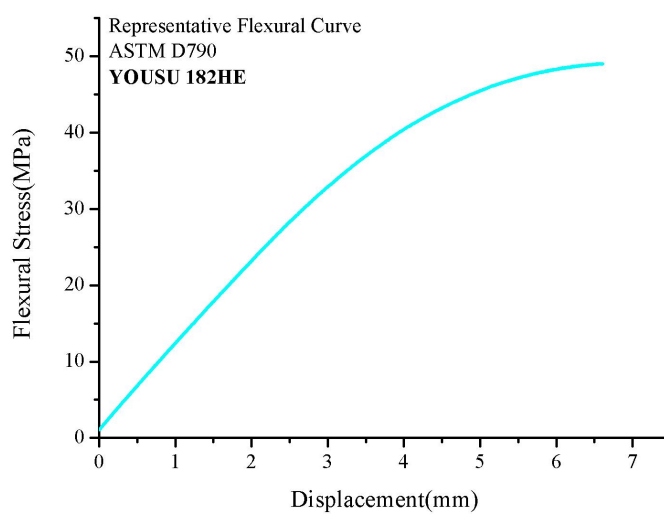
1. Once the printing is completed, products need to rinse in isopropyl alcohol and dry normally.
2. Post-curing is required for some products to reach its highest possible strength and stability.
3. Supports are removed from the products for a clean finish.

## MECHANICAL PROPERTIES

### Representative Tensile Curve



### Representative Flexural Curve



## Disclaimers

Any technical information provided and recommendations made herein are intended to assist customers in determining whether our products are suitable for your applications. We request that you must test our products before use and accepted at your own risk. Neither ERYONE nor its affiliates shall be responsible for the use of this information, or of any product, method or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. We do not guarantee results, freedom from patent infringement, or suitability of resultant products for any suggested application with respect to the use of any formula or material described herein.