

Technical Data Sheet (TDS)

iForm 183HE Water Washable resin

ERYONE iForm 183HE is a water washable resin designed to deliver convenience, great printing quality, and decent mechanical performance. Plain water can be used to wash the models making the printing process safer and cheaper. The supports are easier to remove, and the surface and detail printing quality is top tier.

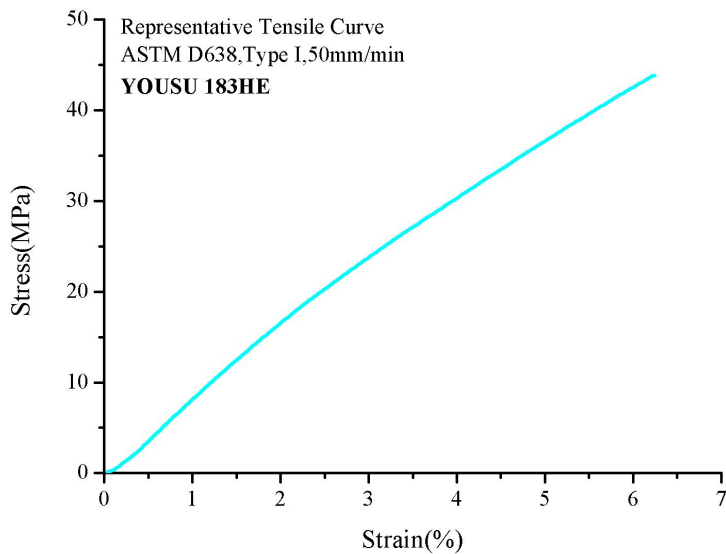
ATTRIBUTES		
Grade	Water Washable resin for LCD	
Color	White,Black,Transparent,Bluish grey,Red wax,Transparent green,Transparent blue,Transparent yellow	
Density(25℃)	1.08g/cm ³	
Viscosity(25℃)	110cps	
Wavelength	405nm	
MECHANICAL PROPERTIES		
Tensile strength	40~45MPa	ASTM D638
Elongation at break	5~6%	ASTM D638
Flexural strength	75~80MPa	ASTM D790
Impact strength	25J/m	ASTM D256
Heat deflection temperature(0.45MPa)	>80℃	ASTM D648
Hardness	85D	ASTM D2240
PRINTING INFORMATION		
Normal exposure time	1.8s~2.5s	
Bottom exposure time	15s~25s(透明10s~12s)	
Bottom layer	6	
Layer thickness	0.05mm	

POST-PROCESSING STEP

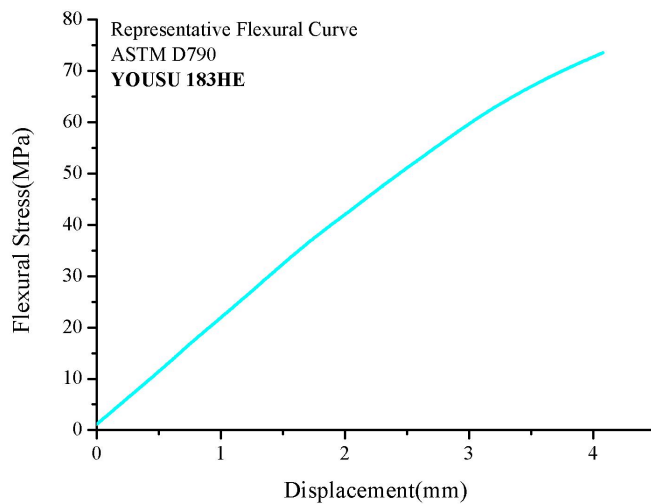
1. Once the printing is completed, products need to rinse in water and dry normally.
2. Post-curing is required for **some products** to reach its **highest** possible strength and stability.
3. Supports are removed from the products for a clean finish.

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.