

## Technical Data Sheet (TDS)

### iForm 181 Standard Resin

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

ATTRIBUTES		
Resin model	iForm 181 Standard resin for LCD	
Grade	iForm181	
Color	skin, black, grey, white,transparent,yellow, blue,red,green,red wax	
Viscosity(25℃)	130cps	
Wavelength	405nm	
MECHANICAL PROPERTIES		
Tensile strength	42-45MPa	ASTM D638
Elongation at break	12-17%	ASTM D638
Notched impact strength	17J/m	ASTM D256
Heat deflection temperature(0.45MPa)	85℃	ASTM D648
Hardness	90-95D	ASTM D2240
PRINTING INFORMATION		
	RGB Screen	Mono Screen
Normal exposure time	8s	2s
Bottom exposure time	60s	20s
Bottom layer	6	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.

## 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.