

## Technical Data Sheet (TDS)

### iForm 282 High Transparent resin

ERYONE iForm 282 is a highly transparent industrial-grade UV resin. Can be used to print crystal clear parts that won't turn yellow after curing. It also features impressive toughness and mechanical properties. This resin can be used in domestic printers as well as in industrial printers with a bigger printing volume.

ATTRIBUTES		
Resin model	iForm 282 High Transparent for LCD	
Grade	IForm 282	
Color	Transparent	
Density(25°C)	1.08g/cm <sup>3</sup>	
Viscosity(25°C)	50~100cps	
Wavelength	405nm	
MECHANICAL PROPERTIES		
Tensile strength	46MPa	ASTM D638
Elongation at break	17.21%	ASTM D638
Flexural strength	67.75MPa	ASTM D790
Impact strength	17J/m	ASTM D256
Heat deflection temperature(0.45MPa)	55°C	ASTM D648
Hardness	80D	ASTM D2240
PRINTING INFORMATION		
Normal exposure time	3s~5s	
Bottom exposure time	15s~20s	
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.

## 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.