

Technical Data Sheet (TDS)

iForm 283 High Temperature Resistant Resin

ERYONE iForm 283 is an industrial-grade UV resin able to withstand temperatures over 230 degrees. Suitable for engineering parts that need to resist very high temperatures. Can be used in domestic printers as well as in industrial printers with a bigger printing volume.

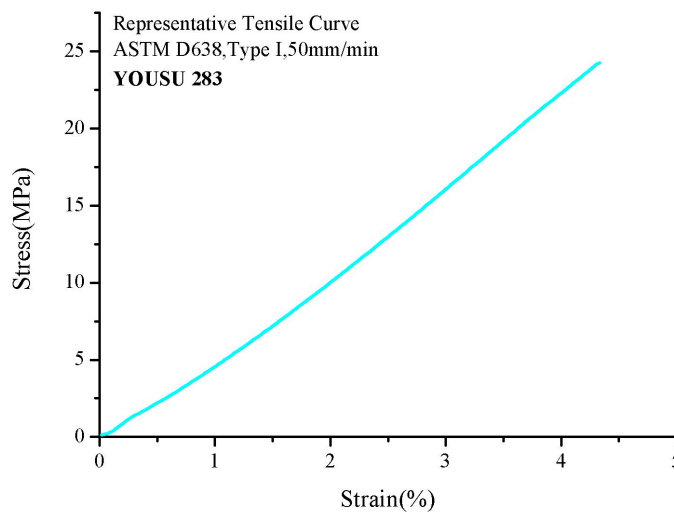
ATTRIBUTES		
Resin model	High Temperature Resistant resin for LCD	
Grade	iForm 283	
Color	Transparent,Black	
Density(25°C)	1.1g/cm ³	
Viscosity(25°C)	280~330cps	
Wavelength	405nm	
MECHANICAL PROPERTIES		
Tensile strength	25MPa	ASTM D638
Elongation at break	4.5%	ASTM D638
Flexural strength	70~80MPa	ASTM D790
Impact strength	15J/m	ASTM D256
Heat deflection temperature(0.45MPa)	230°C	ASTM D648
Hardness	95D	ASTM D2240
PRINTING INFORMATION		
Normal exposure time	2.5s~3s	
Bottom exposure time	15s~25s	
Bottom layer	6	
Layer thickness	0.05mm	

POST-PROCESSING STEP

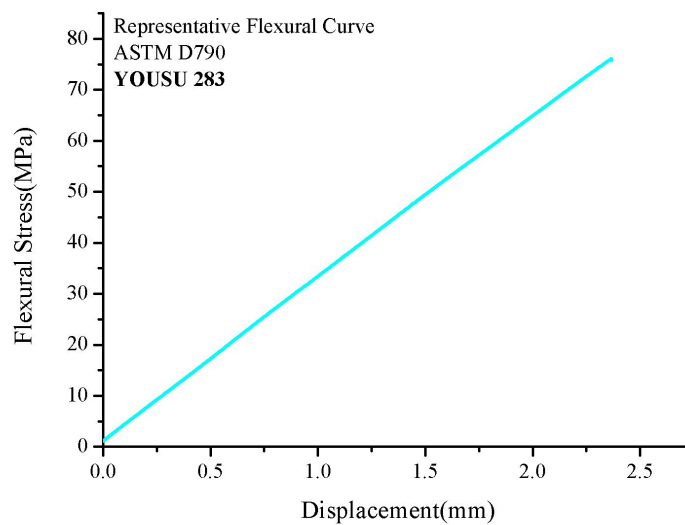
- 1.Once the printing is completed, products need to rinse in alcohol and dry normally.
- 2.Post-curing is required for some products to reach its highest possible strength and stability.
- 3.Supports are removed from the products for a clean finish.

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.