

Technical Data Sheet (TDS)

iForm RPU80 High Impactness Resistant (Nylon-Like)Resin

ERYONE iForm RPU80 resin offers an excellent balance of hardness and durability which was designed to simulate Nylon plastic.It features low modulus, high elongation, and high impact strength, and is ideal for snap-fit and wear-resistant parts. Tough enough to stand up to the rigors of long term, real-world use replacing traditionally injection molded components.

ATTRIBUTES		
Resin model	iForm RPU80 High Impactness Resistant (Nylon-Like)Resin for LCD	
Grade	iForm RPU80	
Color	Black	
Density(25℃)	1.04g/cm ³	
Viscosity(25℃)	820~880cps	
Wavelength	405nm	
MECHANICAL PROPERTIES		
Tensile strength	35MPa	ASTM D638
Elongation at break	95%	ASTM D638
Flexural strength	75MPa	ASTM D790
Impact strength	88J/m	ASTM D256
Heat deflection temperature(0.45MPa)	70℃	ASTM D648
Hardness	85D	ASTM D2240
PRINTING INFORMATION		
	RGB Screen	Mono Screen
Normal exposure time	8s~12s	1.5s~3s
Bottom exposure time	60s~80s	15s~25s
Bottom layer	6	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.