

## N3D-WS11

Water Soluble Resin

TECHNICAL DATA SHEET

DLP

LCD

N3D-WS11 is a fully formulated 3D printing resin that, after printing, is fully soluble in water without swelling. N3D-WS11 is also soluble in other polar solvents such as isopropanol and acetone. N3D-WS11 prints with good reliability and accuracy on DLP and LCD printers.



### KEY FEATURES

Excellent surface quality  
Water soluble



### APPLICATIONS

Over molding  
Casting



### MAIN MARKETS

Industrial  
Consumer goods  
Aerospace

### KEY PROPERTIES

N3D-WS11	
Liquid	
Appearance	Yellow
Viscosity @ 25°C	1200 mPa.s
Material	
Flexural Modulus	1600 MPa
Flexural Strength	30 MPa
Tg	68 °C

### CLEANING AND POST-CURING PROCEDURES

It is suggested that parts be cleaned by agitation or preferably sonication in TPM (tripropylene glycol (mono) methyl ether cas#:25498-49-1) or DPM (dipropylene glycol (mono) methyl ether) for 10-20 minutes. Parts can then be rinsed briefly in Hexanes or blown dry with compressed air. Parts cannot be cleaned in water or other polar solvents such as isopropyl alcohol and acetone as these solvents will rapidly dissolve the parts.

### STORAGE, HANDLING, & SHELF LIFE

Shake the bottle manually before use. Store N3D-WS11 in a cool, dry place. Since N3D-WS11 is a photo-reactive material, avoid exposing open bottles to ambient lighting or sunlight. Reseal the packaging immediately after use. When stored under these conditions, products should be used within 6 months from the date of manufacture. Refer to the Safety Data Sheet (SDS) for more detailed storage and handling recommendations. Printed parts and dissolved prints in water should not be disposed into drains/surface or ground water. Dispose of in accordance with local regulations.

### HEALTH AND SAFETY

For health and safety guidelines related to N3D-WS11, please refer to the Safety Data Sheet (SDS).