

N3D-S1000

Water Soluble Resin

Description

N3D-S1000 offers accurate 3D printing of complex parts combined with fast dissolution rate in water, providing a resin perfectly suited for any application requiring high resolution and ease of cleaning such as the casting of highly intricate design.

Product performance

Abrasion Resistance
 Corrosion Resistance
 Hardness
 Pigment Wetting
 Scratch Resistance

Suggested applications

3D printing

Special features

Water soluble

Typical values

Appearance	Yellow
DMA Loss Modulus Peak, ° C	90
DMA Storage Modulus, G'(25° C)	2,600
Density at 25°C (g/mL)	1.1734
Dissolution at 25°C, time to 50% solvation, min	70
Dissolution at 25°C, time to 90% solvation, min	150
Dissolution at 25°C, time to 99% solvation, min	180
Haze (%)	98.6
Viscosity at 25°C (mPa.s or cPs)	55

Shelf life

Store in the original, closed container in a dry, cool (<38°C) and well-ventilated place. Keep away from frost and heat (open flames, hot surfaces and sources of ignition) sources. Typical shelf-life is **6** months from delivery date for unopened containers. In cases where product sampling is required to carry out incoming quality tests, shelf-life should be maintained beyond opening, provided that it is tightly closed immediately after and that contamination with foreign bodies is avoided.

Inhibitors have been added to enhance storage stability. They require the presence of air in the container in order to improve their efficiency. Keep stabilizer levels constant to avoid explosive polymerization. An air space is required above the liquid in all containers; avoid storage under an oxygen-free atmosphere.

Storage

See SDS for Storage Considerations

Health and safety

See SDS for Health & Safety Considerations



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