

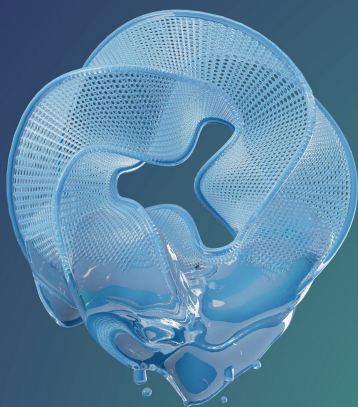
TECHNICAL DATA SHEET

N3D-I250

Impact Resistant Resin

DESCRIPTION

N3D-I250 is a polycarbonate based resin specifically designed with a particular modulus range for improved mechanical durability. Its polycarbonate backbone provides rigidity while an increased MW provides low volumetric shrinkage and thermoplastic-like material trends.



SHELF LIFE

Store in the original, closed container in a dry, cool (<45°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

STORAGE

See SDS for Storage Considerations

HEALTH AND SAFETY

See SDS for Health & Safety Considerations

LIQUID PROPERTIES

Appearance	Clear liquid
Functionality	2

CURED PROPERTIES

Elongation at break (%)	300
Tensile Strength (MPa)	15
Young Modulus (MPa)	16
DMA Storage Modulus, G'(25° C)	175
DMA Loss Modulus (G'') at 25° C, MPa	31
Shrinkage, Volumetric (%)	6.3

PRODUCT PERFORMANCE

Hardness
Shrinkage
Flexibility
Weatherability
Stain Resistance
Abrasion Resistance
Chemical Resistance
Scratch Resistance
Moisture Resistance
Corrosion Resistance
Pigment Wetting

SPECIAL FEATURE

Low odor

SUGGESTED APPLICATIONS

3D printing

Arkema Inc
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