

AFINITICA® 3DFix

PRODUCT DESCRIPTION

Technology	Cyanoacrylate
Chemical Type	Methoxyethyl Cyanoacrylate
Appearance (uncured)	Transparent, colourless to straw coloured liquid
Components	One part – requires no mixing
Viscosity	Very low
Cure	Humidity

AFINITICA® 3DFix is a low viscosity, low blooming and low odor cyanoacrylate-based infiltrant. It is an extremely fast-curing product designed to rapidly strengthen 3D-printed parts. It is also easy to apply. With AFINITICA® 3DFix strong, vividly colored models can be enjoyed in as little as 5 minutes.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Specific gravity, 25 °C, g/cm ³ :	1.09
Viscosity, Brookfield, 25 °C, mPa·s (cP): Spindle 01, speed 100 rpm	4 to 7

GENERAL INFORMATION

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials. For safe handling information on this product, consult the Safety Data Sheet (SDS): 242950

Directions for use:

- 1) Protective gloves shall be worn while dipping parts in the product.
- 2) Submerge completely the parts for 10 to 30 seconds, or until bubbles stop rising from the submerged part.
- 3) Remove parts from the dipping container. Use paper towels to wipe off any excess of infiltrant.
- 4) It is necessary to work quickly in order to avoid the product sticking to paper towels and gloves.
- 5) Leave the part on a non-sticking surface until the infiltrant has fully dried.
- 6) Optimal storage: 2 °C to 8 °C. Storage below 2 °C or greater than 8 °C can adversely affect product properties.
- 7) Product shelf-life: 12 months.

Conversions:

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$
 $\text{kV/mm} \times 25.4 = \text{V/mil}$
 $\text{mm} / 25.4 = \text{in}$
 $\mu\text{m} / 25.4 = \text{mil}$
 $\text{N} \times 0.225 = \text{lb}$
 $\text{N/mm} \times 5.71 = \text{lb/in}$
 $\text{N/mm}^2 \times 145 = \text{psi}$
 $\text{MPa} \times 145 = \text{psi}$
 $\text{N}\cdot\text{m} \times 8.851 = \text{lb}\cdot\text{in}$
 $\text{N}\cdot\text{mm} \times 0.142 = \text{oz}\cdot\text{in}$
 $\text{mPa}\cdot\text{s} = \text{cP}$

NOTE

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