

FlowCast[®]

DESCRIPTION

FlowCast[®] is a high performance, commercial grade casting epoxy that cures to a clear, UV resistant, water-like finish. It is a 100%-solids, two-component epoxy formulated for a long gel time. It has low exothermic heat buildup and cures to a water-like solid that resists stress cracking. Perfect for casting and see-through encapsulation, accentuating and magnifying the objects within. It can be poured up to a recommended maximum thickness of 38 mm (1.5") per layer.

ADVANTAGES

- Made from ~20% biobased carbon content
- Cures water-like
- Excellent air release
- Easy to mix and pour
- Resists warping and cracking
- Customizable with pigments and colorants
- Compatible with most finishing methods and substrates
- Low odour
- Resists crystallization

	Resin	Hardener
Appearance	Clear Viscous Liquid	Clear Liquid
Viscosity at 25°C	340-450 cps	60 cps
Specific Gravity	1.11	0.98
Mix Ratio	2:1 by Volume	

	Resin Curing
Gel Time (100 gr. mass)	>24 hours at 23°C
Casting Tack Free Time 48 Hours	48 hours
Full Cure	72 hours @ room temperature

	Final Cured Resin Properties
Hardness Shore D	80 +
Tensile Strength (MPa)	N/A
Tensile Modulus (GPa)	N/A
Elongation @ maximum stress (%)	N/A
Elongation @ Break (%)	N/A
Flexural Strength (MPa)	N/A
Flexural Modulus (GPa)	N/A
Strain at Max. Stress (%)	N/A
Ultimate Compressive Strength (MPa)	N/A
Notched Impact Resistance (J/m)	N/A
Glass Transition Temperature (Tg) (°C)	N/A

This material is for professional use only, using adequate ventilation and protection from eye and skin exposure. Any information supplied with this material is given on good faith but should be verified by the end user that it is suitable for their application. The warranty of this material shall be limited to the replacement of defective material.