

Product Name

CLARITI®

Product Description

CLARITI is a low viscosity, ultra-clear epoxy resin used in potting and casting applications where an exceptionally clear resin is required. CLARITI exhibits excellent air release properties and its higher cured hardness allows it to be ground and polished. It is ideal for use in casting smaller objects such as jewellery, decorative tableware, ornaments & lenses. CLARITI has a convenient 2:1 mix ratio.

Physical Properties

Cured

Specific Gravity at 25°C		1.15
Hardness	Shore D	89
Linear Shrinkage	in/in	0.008
Izod Impact Strength	ft.lbs./in. of notch	0.55
Tensile Strength	psi	10 800
Compressive Strength	psi	19 200

Thermal Properties

Cured

Thermal Conductivity	Cal/Sec/CM ² /°C/CM x 10 ⁻⁴	5.2
Thermal Stability	1000 Hrs @ 175°C, % Wt Loss	0.45
Coefficient of Thermal Expansion	in/in /°C x 10 ⁻⁶	50
Heat Distortion Temperature	°C	145

Electrical Properties

Cured

Volume Resistivity	@ 25°C, OHM-CM	6x10 ¹⁵
Dielectric Strength	Volts/Mil	475
Dielectric Constant	@ 25°C, 100KC	4.3
Dissipation Factor	@ 25°C, 100KC	0.030

Handling Properties

Mix Ratio	By volume	100 : 50
Pot Life	100g @ 25°C	25-35 min
Cure Time	@ 25°C	12-18h
	@ 65°C	4h

Storage

Store the components in a dry place at 18 - 25 °C, in tightly sealed original containers.

Issue Date

16th October 2017

Revision Number

1

Disclaimer

The data presented in this leaflet are in accordance with the present state of our knowledge, and does not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the product for a particular purpose.