

## Protective Coating PC-Clear™ Clear Liquid Epoxy

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy Adhesive

### Material Notes:

PC-Clear™ is a completely clear liquid epoxy formulated to remain clear during and after its curing time. PC-Clear™ is very durable and flexible making it unlike many liquid epoxies. Uses include repairs needing to be disguised or repairs requiring the absence of color. PC-Clear™ demonstrates excellent chemical resistance to mild acids, caustics, detergents, gasoline, fuel oil, salt, and fresh water. Data provided by the manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Protective-Coating-PC-Clear-Clear-Liquid-Epoxy.php](http://www.lookpolymers.com/polymer_Protective-Coating-PC-Clear-Clear-Liquid-Epoxy.php)

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in <sup>3</sup>	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	75	75	1 Week Cure; ASTM D2240
Elongation at Break	2.0 %	2.0 %	
Flexural Strength	20.1 MPa	2920 psi	ASTM D580
Compressive Yield Strength	32.30 MPa	4685 psi	ASTM D695
Shear Strength	15.9 MPa	2300 psi	Tensile Shear Strength; ASTM D1002

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	93.3 °C	200 °F	
Minimum Service Temperature, Air	-28.9 °C	-20.0 °F	

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	Thickness Not Known

Processing Properties	Metric	English	Comments
Cure Time	10.0 min	0.167 hour	Tack Free
	60.0 min	1.00 hour	For Service
	1440 min	24.0 hour	Max Cure
Pot Life	4.0 min	4.0 min	Working Time
	@Temperature 21.1 °C	@Temperature 70.0 °F	

Descriptive Properties	Value	Comments
Color	Clear	Component A
	Clear	Component B
	Clear	Mixed
Thermal Shock Resistance	Excellent	
Toxicity	Nontoxic after cure	

**Contact Songhan Plastic Technology Co.,Ltd.**

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