

## Nanocyl EPOCYL™ NC E128-02 Master Batch Liquid Bisphenol-A Resin for non-Solvent Based Formulation Purposes

Category : Polymer , Thermoset , Epoxy , Epoxy/Carbon Fiber Composite

### Material Notes:

EPOCYL™ NC E128-02 is a Mater Batch based on liquid Bisphenol-A (Bis-A) epoxy resin containing high concentration of Carbon Nanotubes (CNT) produced by Nanocyl. It is specifically developed to enhance electrical conductivity of epoxy-based formulations. Special features include easy integration and great flexibility in design of new multifunctional materials. Dilution factor has to be calculated accordingly to the desired level of conductivity. Applications Electrostatic discharge (ESD) coatings, linings (tanks, rollers, ...) and composites Conductive primers Resistive inks Adhesives Benefits Limited impact on base resin mechanical and thermo-mechanical properties Ease of formulation Other information available upon request to Nanocyl Curing agents EPOCYL™ NCE128-02 based formulations can be cured or cross-linked with different types of curing agents which could be decided accordingly to the desired processing conditions and the properties of the final composite like any conventional Bis-A based formulations. Properties measured on cast films.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Nanocyl-EPOCYL-NC-E128-02-Master-Batch-Liquid-Bisphenol-A-Resin-for-non-Solvent-Based-Formulation-Purposes.php](http://www.lookpolymers.com/polymer_Nanocyl-EPOCYL-NC-E128-02-Master-Batch-Liquid-Bisphenol-A-Resin-for-non-Solvent-Based-Formulation-Purposes.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 - 1.20 g/cc	1.15 - 1.20 g/cc	
Viscosity	350000 - 450000 cP	350000 - 450000 cP	
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	100 ohm-cm	100 ohm-cm	80 parts per 100 of NC E128-02 in the final compound
	200 ohm-cm	200 ohm-cm	53 parts per 100 of NC E128-02 in the final compound
	2000 ohm-cm	2000 ohm-cm	26 parts per 100 of NC E128-02 in the final compound
	10000 ohm-cm	10000 ohm-cm	13 parts per 100 of NC E128-02 in the final compound

Descriptive Properties	Value	Comments
Aspect	Paste, black (Master Batch)	
Epoxy Equivalent	190.5 - 198 g/eq	
Epoxy Value	5.05 - 5.25 eq/kg	
Storage Temperature	5°C - 40°C	

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

**Website : [www.lookpolymers.com](http://www.lookpolymers.com)**

**Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)**

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215,Fengxian District, Shanghai City,China**