

Nanocyl EPOCYL™ NC E128-04 Master Batch Liquid Bisphenol-A Resin for Solvent Based Formulation Purposes

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

Material Notes:

EPOCYL™ NC E128-04 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 for solvent based formulations to enhance the electrical conductivity of final epoxy formulations. Special features include easy integration and great flexibility in processing. 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™ NCE128-04 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.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Nanocyl-EPOCYL-NC-E128-04-Master-Batch-Liquid-Bisphenol-A-Resin-for-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	25000 - 45000 cP	25000 - 45000 cP	
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	3000 ohm-cm	3000 ohm-cm	53 parts per 100 of NC E128-04 in the final compound
	20000 ohm-cm	20000 ohm-cm	26 parts per 100 of NC E128-04 in the final compound
	70000 ohm-cm	70000 ohm-cm	13 parts per 100 of NC E128-04 in the final compound

Descriptive Properties	Value	Comments
Aspect	Paste, black (Master Batch)	
Epoxy Equivalent	196.1 - 203.52 g/eq	
Epoxy Value	4.91 - 5.1 eq/kg	
Storage Temperature	5°C - 40°C	

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