

Phenolic Resin for Flame-resistance Prepreg

Name: Phenolic Resin for Flame-resistance Prepreg

Product Introduction:

This resin is created in terms of phenolic resin predipping fabric, especially inflaming retarding predipping fabric in nomex honeycomb sandwich construction of planes or rapid trains. It is processed with good dipping technology, which endows the resin good inflaming retarding and adhering property.

Product Specification:

Properties	Specification
Appearance	Light yellow thick liquid
Viscosity (mPa•s, <)	1000
Resin Content (% , >)	55
Free Phenol (% , <)	10
Time for Gelatinizing (s, 150°C, adding 10% hexamethylene tetramine)	200~300

Product performance:

Phenolic aldehyde/ Glass fiber predipping composite material performance:

Tensile strength (MPa)	Flexural strength (MPa)	Shear strength (MPa)	Compressive strength (MPa)	Vertical burning (mm)	Smog density (g/cm ³)	Maximum heat releasing rate (kw)
280	460	27	280	43	6	25

Application:

Due to the fact that glass fiber and phenolic resin predipping fabric prepared with this resin have fabulous fire proofing, low fuming, low toxic fog, and high mechanical strength retention rate under high temperature, they are widely used in internal decorate material (such as seat, side wall, floor, ceiling, baggage cabin, gate, window frame, bar counter, etc.) of big transportation equipment like planes and rapid trains.

Package and Storage:

Product should avoid directly sunshine and should be kept in the clean and ventilate room in the case of room temperature. It can be kept for 2 months.