

Phenolic Resin for Resin Transfer

Molding Processing

Name: Phenolic Resin for Resin Transfer Molding Processing

Product Introduction:

The resin has features like high gel content, low viscosity (nice liquidity), short time for gelatinizing, widely contour machining application area and nice storage stability. It can be used as adhesive of fiber reinforced composites, especially fit for RTM molding technique.

Product Specification:

Property	Specification	Ps
Appearance	Sepia thick liquid	
Gel Content (%)	82±4	Liquid resin
Free Phenol (% , ≤)	21	Liquid resin
Viscosity (mPa·s, ≤)	55	50% ethanol resin solution
Time for gelatinizing (s, 150°C, adding 10% hexamethylene tetramine)	125±20	50% ethanol resin solution

Application:

The resin is used in preparing RTM molding composite, replacing current hand-made phenolic glass fiber reinforced plastic. It has advantages like low cost, high molding speed, high quality, low pollution and the possibility to construct huge complex structural element. Therefore, it has wide application prospect in aero, flight, transportation areas.

Package and Storage:

25kg per bag, 25kg per can. 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 6 months.