

SABIC Innovative Plastics NORYL SA90 PPE

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO

Material Notes:

Noryl* SA90 resin is a modified low molecular weight resin with increased hydroxyl functionality. It is designed specifically for use as a reactive component in epoxy and cyanate ester thermosets in electronic, coatings, adhesives, and composites applications. It has outstanding solubility in toluene & methyl ethyl ketone (MEK) and a low solution viscosity. Targeted application areas are in enhancing the performance (e.g. thermal, dielectric, mechanical, flame retardancy, and moisture uptake properties) of epoxy resins used in electronic packaging which include PCB laminates, copper clad laminates, epoxy prepregs, and protective coatings as well as various other composites applications.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-SA90-PPE.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.02 g/cc	1.02 g/cc	ASTM D792
Viscosity	160 cP	160 cP	SABIC Method
	298 cP	298 cP	SABIC Method
Viscosity Measurement	0.090	0.090	Intrinsic Viscosity [dl/g]; SABIC Method

Thermal Properties	Metric	English	Comments
Transformation Temperature, Tg	140 Â°C	284 Â°F	half width; SABIC Method

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.54	2.54	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dissipation Factor	0.00070	0.00070	ASTM D150
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	

Descriptive Properties	Value	Comments
Hydroxy Equivalent Weight (HEW)	840g/mol	SABIC Method
Mn	1600	SABIC Method
Phenolic End-group Content	21500ppm	SABIC Method
Physical Form	PELLET	SABIC Method

Solubility, Methyl Ethyl Ketone (21A°C) Descriptive Properties	50wt% Value	SABIC Method Comments
Solubility, Toluene (21Å°C)	50wt%	SABIC Method

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