

SABIC Innovative Plastics NORYL SA9000 PPE

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO

Material Notes:

Noryl® SA9000 resin is a modified low molecular weight resin with vinyl end-groups. It is well suited for use with other unsaturated monomers and resins which cure via free radical reactions. These include styrenic, allylic, acrylic, maleimide, methacrylic, and unsaturated polyesters monomers and resins. It has a low solution viscosity and outstanding solubility in toluene & methyl ethyl ketone (MEK). Key application areas are in electronic packaging which include PCB laminates, copper clad laminates, non-epoxy prepregs, and adhesives. The use of Noryl® SA9000 is especially advantageous in insulating materials where very low dielectric properties and decreased moisture absorption are required.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-SA9000-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	160 Â°C	320 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
Mn	2300	SABIC Method
Phenolic End-group Content	-300ppm	SABIC Method
Physical Form	POWDER	SABIC Method
Solubility, Methyl Ethyl Ketone (21Â°C)	50wt%	SABIC Method

Solubility Toluene (21A°C) Descriptive Properties	50wt% Value	SABIC Method Comments
Vinyl Functionality	1.9	SABIC Method

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