

NORYL™ SA9000 resin

Polyphenylene Ether

SABIC Innovative Plastics

Message:

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.

General Information

Features	Low Molecular Weight
	Low to No Water Absorption
	Low Viscosity
Uses	Electrical/Electronic Applications
	Insulation
	Packaging

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02	g/cm ³	ASTM D792
Intrinsic Viscosity	0.090	dl/g	Internal Method
Mn	2300		Internal Method
Phenolic End-group Content	300	ppm	Internal Method
Solubility			Internal Method
Methyl Ethyl Ketone : 21°C	50.0	wt%	
Toluene : 21°C	50.0	wt%	
Tg (half width)	160	°C	Internal Method
Vinyl Functionality	1.90		Internal Method
Viscosity			Internal Method
50 wt% in methyl ethyl ketone : 25°C	160	mPa · s	
50 wt% in toluene : 25°C	298	mPa · s	

Electrical	Nominal Value	Test Method
Dielectric Constant (1 MHz)	2.54	ASTM D150
Dissipation Factor (1 MHz)	7.0E-4	ASTM D150

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

