

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 viscosity		
	Low or no water absorption		
Uses	Packaging		
	Electrical/Electronic Applications		
	Insulating material		
RoHS Compliance	RoHS compliance		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02	g/cm ³	ASTM D792
Mn	2300		Internal method
Phenolic End-group Content	300	ppm	Internal method
Tg (half width)	160	°C	Internal method
Vinyl Functionality	1.90		Internal method
Intrinsic Viscosity	0.090	dl/g	Internal method
Solubility			Internal method
Methyl Ethyl Ketone : 21°C	50.0	wt%	Internal method
Toluene : 21°C	50.0	wt%	Internal method
Viscosity			Internal method
50 wt% in methyl ethyl ketone : 25°C	160	mPa · s	Internal method
50 wt% in toluene : 25°C	298	mPa · s	Internal method
Electrical	Nominal Value		Test Method
Dielectric Constant (1 MHz)	2.54		ASTM D150
Dissipation Factor (1 MHz)	7.0E-4		ASTM D150

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Recommended distributors for this material

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