

NORYL™ Resin SA9000 Americas: COMMERCIAL

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.

YPICAL PROPERTIES ¹	TYPICAL VALUE	Unit	Standard
THERMAL			
Tg (half width)	160	°C	SABIC Method
PHYSICAL			
Specific Gravity	1.02	-	ASTM D 792
Physical Form	POWDER	-	SABIC Method
Intrinsic Viscosity	0.09	dl/g	SABIC Method
Phenolic End-group Content	- 300	ppm	SABIC Method
Vinyl Functionality	1.9	-	SABIC Method
Solubility, Toluene (21°C)	50	wt%	SABIC Method
Solubility, Methyl Ethyl Ketone (21°C)	50	wt%	SABIC Method
Mn	2300	-	SABIC Method
Viscosity, 50 wt% in toluene, 25°C	298	сР	SABIC Method
Viscosity, 50 wt% in methyl ethyl ketone, 25°C	160	cP	SABIC Method
ELECTRICAL			
Dielectric Constant, 1 MHz	2.54	-	ASTM D 150
Dissipation Factor, 1 MHz	0.0007	-	ASTM D 150

Source GMD, last updated:

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⁽¹⁾ Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

⁽²⁾ Only typical data for selection purposes. Not to be used for part or tool design.
(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire

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