

NORYL™ SA90 resin

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产品说明

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.

基本信息

特性	低分子量	低粘度
用途	包装	电气/电子应用领域
形式	粒子	

物理性能	额定值	单位制	测试方法
比重	1.02	g/cm ³	ASTM D792
Hydroxy Equivalent Weight (HEW)	840	g/mol	内部方法
Mn	1600		内部方法
Phenolic End-group Content	2	%	内部方法
Tg (half width)	140	°C	内部方法
固有粘度	0.090	dl/g	内部方法
可溶性			内部方法
Methyl Ethyl Ketone : 21°C	50.0	wt%	内部方法
Toluene : 21°C	50.0	wt%	内部方法
粘度			内部方法
50 wt% in methyl ethyl ketone : 25°C	160	mPa s	内部方法
50 wt% in toluene : 25°C	298	mPa s	内部方法

电气性能	额定值	测试方法
介电常数 (1 MHz)	2.54	ASTM D150
耗散因数 (1 MHz)	7.0E-4	ASTM D150