

SABIC Innovative Plastics NORYL SA90 PPE (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO

Material Notes:

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.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-NORYL-SA90-PPE-Europe-Africa-Middle-East.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 | 140 Â°C | 284 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 |
|---------------------------------|----------|--------------|
| Hydroxy Equivalent Weight (HEW) | 840g/mol | SABIC Method |
| Mn | 1600 | SABIC Method |
| Phenolic End-group Content | 21500ppm | SABIC Method |
| Physical Form | PELLET | SABIC Method |

| Solubility, Methyl Ethyl Ketone (21A°C) Descriptive Properties | 50wt% Value | SABIC Method Comments |
|---|----------------|--------------------------|
| Solubility, Toluene (21Å°C) | 50wt% | SABIC Method |

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