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TECHINICAL DATA SHEET FOR 859N SMC

859N SMC for Resin has the characteristics of thickening stability, high gloss, high mechanical strength, excellent electrical, water resistance and corrosion resistance. Suitable for pressing electrical components, building facilities, industrial, civil equipment and other fields of high performance requirements of the molding products.

| Technical Indexes of Liquid Resin | | | |
|--|---------|---------------------------------|----------|
| Item | Unit | Value | Standard |
| Appearance | | Light yellow transparent Liquid | Visual |
| Acid Value | mgKOH/g | 16-20 | GB2895 |
| Viscosity(25°C) | mPa.S | 1300-1700 | GB7193 |
| Gel Time | min | 8-12 | GB7193 |
| Non-Volatile | % | 65-68 | GB7193 |
| Stability(80°C) | h | ≥24 | GB7193 |

Note: Gel Time is 25°C; in air bath; 0.5ml cobalt isocaprylate solution and 0.5ml MEKP solution were added into 50g resin

| Performance Indexes of Resin Casting Substance | | | |
|---|--------|-------|----------|
| Item | Unit | Value | Standard |
| Barcol hardness≥ | Barcol | 40 | GB3854 |
| Tensile strength ≥ | MPa | 60 | GB2567 |
| Tensile modulus ≥ | MPa | 3000 | GB2567 |
| Elongation at break≥ | % | 2.5 | GB2567 |
| Flexural strength≥ | MPa | 95 | GB2567 |
| Flexural modulus≥ | MPa | 3000 | GB2567 |
| Impact strength≥ | KJ/m2 | 12 | GB2567 |
| H.D.T ≥ | °C | 130 | GB1634.2 |

Note: (1)Casting system sample method: according to GB/T8237-2005
 (2)Casting post-treatment method: room temperature /24 hours +40°C/1 hour +90°C/3 hours
 (3)The ambient temperature was 23 ± 2°C and the relative humidity was 50 ± 5%

Packing and Storing:

859N is packed in metal drums with net weight of 220KG, and its storage life is six months at 20°C. The storage life will be shortened when the temperature increases. It should be stored in a cool and ventilated place, avoid direct sunlight and keep away from heat source