NYSTEIN Thermal Potting Flextein® MG2020

Technical Data Sheet

Product Description:

Flextein MG2020 is a two-component plus molded low volatile thermal conductive potting silicone rubber, which is suitable for room temperature and heat curing, composed of A and B two parts of the fluid, A and B components are mixed according to 1:1 (mass ratio), and cured into high-performance elastomers by an addition reaction.

Features & Benefits:

- Thermal conductivity 2.0 W/m· K
- Good flowability and easy handling
- Suitable for room temperature and heat curing
- RoHS compliant

Typical Property Data:

Property	Unit	Parameter	Test Method
Appearance	——	Part A： White Part B：Grey	Visual
Mix Ratio	——	1：1	——
Viscosity	cps	8,000 8,000	ASTM D2196
Pot Life	Min	100（@25℃）	Nystein
Cure Schedule	——	20min（@100℃） 12h（@25℃）	Nystein
Thermal Conductivity	W/m ·K	2	ISO 22007-2
Hardness	Shore OO	50	ASTM D2240
Density	g/cm3	2.55	ASTM D792
Volumetric resistivity	Ω ·cm	≥1.0×10^{12}	ASTM D257
Service Temp.	℃	-40 to 150	Nystein
Flame Rating	——	V-0	94 UL
RoHS	——	Yes	Nystein

Typical Application:

- Consumer electronics, communication equipment
- Printed circuit board assemblies, housing connections
- Automotive electronics
- Military electronics

Operating Processing

1. Weighing: first, stir each container to avoid precipitate, then correctly weigh part A and part B.
2. Mixing: pour part B into part A and mix.
3. Potting: apply adhesive mixture onto electronic component as soon as possible.
Or dispensing / printing through a variety of manual or automated processes, into a variety of thicknesses and shapes.
4. Curing: complete curing process may take 10 to 24 hours at room temperature after less than half hour primary curing process. Elevated temperature will accelerate the process time.

Configuration Available:

- 40kg group: A component 20kg/barrel, B component 20kg/barrel.
- 20kg group: A component 10kg/barrel, B component 10kg/barrel.
- 2kg group: A component 1kg/can, B component 1kg/can

Storage conditions:

- Sealed at room temperature away from light, and stored in a dry place.
- Best Storage conditions: Temperature: 25℃ (±3), Humidity: 50% (±10), can be stored for 3months.
- The materials taken out after opening may be contaminated during use, so please do notmix contaminated products with unopened products.Nystein assumes no responsibily for contaminated products or conditions other than the required storage conditions.
- For additional information, please contact your appropriate sales, technical support, orcustomer service representative promptly.