LINQBOND™ PM-SI611

Two-part RTV Silicone Potting Material

- High temperature resistance
- High flowability
- Void free casting

LINQBOND™ PM-SI611 is a two-part, grey RTV silicone potting material designed for various applications like electrical potting, PCB encapsulation, LED drivers, cable joining, and surge protection. It offers excellent high-temperature performance and easy reworkability, making it durable and adaptable.

LINQBOND™ PM-SI611 low viscosity ensures smooth flow, deep penetration, and void-free encapsulation of intricate components. The formula reduces porosity, resulting in strong, reliable castings. Additionally, PM-SI611 has built-in fire-retardant properties, adding safety to critical applications.

Premixed properties

Property	Part A	Part B
Appearance	Off white	Black
Viscosity *@30 °C*	2500 *±500* cP	2500 *±500* cP
Density	1.6–1.7 g/cm^3	1.6–1.7 g/cm^3
Shelf life	6 months	6 months

Mixed properties

Property	Value	Unit
Mixing ratio by weight	100:100	–
Gel time *@30°C*	30–50	min
Curing Time *@30°C*	80–110	min

Cured properties

Property	Value	Unit
Shore Hardness	55 *±5*	Shore A
Moisture Absorption	<0.2	%
Thermal Conductivity	>1.0	W/m·K
Dielectric Strength	24	kV/mm
Dielectric Constant	4	-
Volume Resistivity	4.2 ×10^{13}	Ω·cm
Operating Temperature Range	-40 to +200	°C
Flammability Rating	V-0	UL94

Europe
Industrieweg 15E,
1566JN Assendelft
The Netherlands
Phone: +31 (20) 893 2224
Email: info@caplinq.com

Canada
80 Sirocco Crescent
Ottawa ON, K2S 2C9
Canada
Phone: +1 (613) 482-2215
Email: info@caplinq.com

North America
36927 Schoolcraft Rd
Livonia, MI 48150
United states
Phone: +1 (313) 558-8243
Email: info@caplinq.com

South East Asia
S-08-07 Persiaran Triangle
B Lepas, Penang 11900
Malaysia
Phone: +60(12)4302223
Email: info@caplinq.com

Processing Instructions

1. Before mixing, stir both Part A and Part B to homogenize.
2. Mix components A and B according to the specified weight ratio. Stir thoroughly to ensure uniformity while preventing air from introduced into the mixture. Ensure contamination is avoided.
3. To ensure complete mixing of both parts, machine mixing and dispensing are recommended. Static and dynamic mixer can also be used for mixing.
4. Degas the mixture to remove the bubbles for about 10 minutes. Do not fill the container more than half full to prevent overflowing during degassing.
5. Gradually pour the mixed compound into the device being potted.
6. Allow the potted workpiece to cure. The curing process is influenced by temperature variations; generally, higher temperatures result in faster curing, while lower temperatures lead to slower curing.

Packaging

LINQBOND^{TM} PM-SI611 Part A and Part B is available in 30 kg open top plastic buckets.

Storage and Handling

Store in a ventilated, dry, and clean environment at 30$_{\pm 5}$ °C. Keep away from fire and heat sources. It is strictly forbidden to store in outdoor environments. At proper storage conditions, both Part A and Part B have a shelf life of 6 months.

Please note that the provided information is based on available data and typical conditions. For specific applications and detailed test results, refer to the actual test data and conduct appropriate certifications

Europe
Industrieweg 15E,
1566JN Assendelft
The Netherlands
Phone: +31 (20) 893 2224
Email: info@caplinq.com

Canada
80 Sirocco Crescent
Ottawa ON, K2S 2C9
Canada
Phone: +1 (613) 482-2215
Email: info@caplinq.com

North America
36927 Schoolcraft Rd
Livonia, MI 48150
United states
+1 (313) 558-8243
Email: info@caplinq.com

South East Asia
S-08-07 Persiaran Triangle
B Lepas, Penang 11900
Malaysia
Phone: +60(12)4302223
Email: info@caplinq.com