

F6351 | RTV-2 Silicone Potting Foam



F6351

Package:
25KG/pail

Color:
Grey

Shelf life:
12 months from the
manufacturing date under
27°C

Compliance:
REACH
ROHS
UL

Application methods :
Manual or automated
dispense

F6351 is a medium viscosity two-component addition silicone potting foam with UL94 V0 flame retardant grade. EU REACH and RoHS certification requisition.

Features:

- Room temperature or heat accelerated cure
- No substance is released during curing
- Flexible and stable from - 40 °C to + 200 °C after cured
- Excellent electrical properties with high impedance and high dielectric strength
- Good thermal insulation
- Foam structure brings good softness and elasticity

Applications:

- Used to seal and protect various outdoor communication, electronic and lighting equipment cabinets.
- Shock absorption, cushioning, sound insulation, protection, insulation, thermal insulation and fire in power batteries.

Limitations :

Reasons for poor curing of addition silicone potting compound:

1. Contact materials: When in contact with the following ingredients, it will affect the surface curing. The slight one will only cure incompletely on the surface, and the heavy one will cause permanent or even incomplete curing:

- Release agent, such as detergent;
 - Plasticizers, such as certain plasticizers in insulating plastics, wires and protective coils;
 - Substances containing nitrogen, phosphorus, sulfur and halogen, such as natural rubber and neoprene;
 - Soldering flux, such as rosin;
 - Organometallic (lead, tin, mercury, etc.);
 - Amine-containing substances, such as polyurethane and epoxy resin
 - Condensation silicone sealant or potting compound
2. Environment: When using, avoid residual oil in the container or the object being used; avoid some impurities falling into it;

Technical service and safety:

Technical details are available for customers.

For more information about safety, please refer to the MSDS.

avoid contact with some commonly used plasticizer plastic and rubber glove; whether the vacuum equipment or oven has used (at the same time) epoxy resin, polyurethane, condensation silicone products.

3. Operational aspects: The mixing ratio is not carried out in accordance with the technical parameters; because some products have not been used for a long time, there is some sedimentation, and each component is not fully stirred before use.

Operation:

1. Before mixed: Part A and Part B should be thoroughly stirred before mixing together.
2. When mixed: Thoroughly mixed at quality ratio of 1:1 and stir uniformity.
3. Potting: mixed compounds should be put into the application as soon as possible to prevent foaming.
5. Curing: room temperature curing or heat curing. The higher the temperature, the curing speed is more quickly.

Transport and storage:

This product is non-flammable and not explosive, and can be delivered by normal means of transportation. The products should be stored under 27° C, in the cool and dry place.

Technique parameters:

Item		Part A	Part B	Standard
Uncured	Color	White	Grey	Q/ZS 1-2016
	Viscosity(cps,25°C)	4000~6000		GB/T 10247
	Mixing ratio by weight	1 : 1		Q/ZS 1-2016
	Viscosity after mixing(cps,25°C)	4000~6000		GB/T 10247
	Working Time(min, 25°C)	1~30 (adjustable)		Q/ZS 1-2016
	Curing time(hr, 25°C)	10~180 (adjustable)		Q/ZS 1-2016
Cured	Foaming magnification	2~5		Q/ZS 1-2016
	Thermal conductivity[W/(m·K)]	≤0.1		ASTM D5470
	Dielectric strength(KV/mm)	≥2.5		ASTM D149
	Volume Resistivity(Ω·cm)	≥1.0×10 ¹⁴		ASTM D257
	Specific Gravity (g/cm ³)	0.4~1.0 (adjustable)		ASTM D792
	UL 94 Flame Classification	UL94 V0		UL 94
	Tensile strength (Mpa)	≥0.4		GB/T 528

Suggestions and statement:

Suggest users to do the applicability test before the formal use of this product. Due to the diversity of practical application, we won't c responsibility for the problems in special conditions of use about our products. We are not responsible for any direct, indirect or accidental damage. but users can contact my company's after-sales service when you have any problem in the using process , and we will try to help you.

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