

Technical Data:

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RTV 113

General Purpose Potting and Casting RTV Silicone

Product Description

RTV 113 is a multi-purpose casting compound for encapsulation, sealing or potting. RTV 113 is used in protecting electronic components, assemblies and delicate systems.

Features & Benefits

- Medium viscosity
- High temperature resistance
- Long pot life
- Low temperature flexibility
- Excellent electrical properties
- Accelerated curing at elevated temperature

Applications

Potting, Casting and Encapsulation of Electric/Electronic Equipment.

Typical Uncured Properties

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Base Resins	RTV 113 (A) Silicones	RTV T-12 Catalyst
Appearance/Color	Red/Black	Clear
Viscosity @ 25°C, mPa*s ASTM-D-2393	10000-15000	40-60
Density @ 25°C, g/cm³	1.45 ± 0.02	1.05 ± 0.02
Mix Ratio A:B (w/w)	100:0.1÷0.5	
Mix Viscosity @ 25°C, mPa*s	9800-13000	
Work life, @ 25°C, hr	from 1 to 4	
Gel Time @ 25°C, (100g), min	50-120	

Instructions for use:

Stir compound RTV 113 thoroughly in the original container prior to use

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Curing Schedule	12-16hr/25°C
Hardness , ASTM-D-2240, Shore A	55-65
Tensile Strength , ASTM-D-412, MPa	2.3-4.0
Tensile Elongation , ASTM-D-412, %	40-70
Coefficient of Thermal Expansion , 10 ⁻⁵ /K	21
Thermal Conductivity , W/m-K	0.4-0.6
Service Temperature , °C	-55 to 205

Storage

Store products at 10-35°C for maximum shelf life.

Packaging

Packaging sizes are available from 1L to 5L pails

Shelf Life

The products have a shelf life of 6 months in their unopened original pails.

Limitation of Liability

Except where prohibited by law, Polymer-G and seller will not be liable for any loss or damage arising from the Polymer-G product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.