

CENUSIL® RT 760 CN A/B

RTV-2 Silicone Rubber

Characteristics

Pourable, addition-curing, thermal conductive, two-component silicone rubber that vulcanizes at room temperature.

Special Characteristics

- Two part hardening by ratio 1:1
- Very good flow ability
- Medium Shore A hardness (approx.. 55)
- Excellent thermal conductive property
- Great elasticity
- Flame-retardant by UL 94 V0

Application

Due to the low hardness, high elasticity of the cured rubber as well as its excellent thermal conductive performance, CENUSIL® RT 760 CN is very well suitable as a potting protection material for the delicate electronic items.

Product data (before mix)

Property	Test Method	Unit	Value	
			A	B
Color			Black	White
Density at 23°C		[g/cm3]	1.57	1.57
Viscosity at 23°C	ISO3219	[mPa s]	4,500	2,000

These figures are only intended as a guide and should not be used in preparing specifications.

Product data (mixed)

Property	Test Method	Unit	Value
Pt catalyst in			A
Mix ratio			1 : 1
Pot life		[min]	120
Viscosity at 23°C	ISO3219	[mPa s]	3000

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Product data (cured)

Property	Test Method	Unit	Value
Density at 23°C in water	ISO 2781	[g/cm3]	1.5
Hardness Shore A	ISO 868		55
Tensile strength	ISO 37	[N/mm2]	3
Elongation at break	ISO 37	[%]	100

Volume resistance	IEC 60093	[Ω cm]	10^{14}
Thermal conductive		W/mk	0.65
Dielectric strength	IEC 60250		3.7
Flame retardant	UL 94		V-0

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Use and processing

The pot life is the period of time at 23°C/50% rel. humidity during which the catalyzed mix to attain a viscosity and still be just pourable. While curing time is fully reactive and crosslinked.

Temperature °C	Curing time 1 cm
23	24 h
100	10-20 min
150	~5min

These figures are intended as a guide and should not be used in preparing specifications.

Comprehensive instructions are given in our leaflet "WACKER RTV-2 Silicone Rubber – Processing."

Storage

CENUSIL® RT 760 CN should be stored in the tightly closed original container. The "Best use before end" date of each lot is shown on the product label.

Storage beyond the date specified on the label does not usable. In this case, however, the properties required for the intended use must be checked for quality assurance reasons.

Safety information

Being a condensation-curing silicone rubber, CENUSIL® RT 760 CN contains only constituents that over many years have proved to be neither toxic nor aggressive. Special handling precautions are therefore not required, i.e., only the general industrial hygiene regulations apply. Detailed safety information is contained in each Material Safety Data Sheet, which can be obtained from our sales offices.

Additional information

Please contact your nearest WACKER subsidiary.

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.

Management system certified to ISO 9001 and ISO 14001

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For technical, qualities, or product safety questions, please contact

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