

Product Name

RTV3428 A/B

Blue Star RTV-2 Silicone Rubber

Product Description

Pourable, addition-curing, two component silicone rubber that cures at room temperature.

- Extremely Good Flow
- Low Shore A Hardness (approx 28)
- Fast non-shrink cure which can be accelerated considerably by the application of heat
- Excellent long-term stability of the mechanical properties of the cured rubber.
- High tear strength
- Outstanding resistance to casting resins.

Typical Applications

Due to its outstanding resistance to casting resins as well as superior mechanical properties, RTV3428 is perfectly suitable for all moulds of models with pronounced undercuts that are to be reproduced in casting resins. RTV3428 is widely used in the plaster casting industry and is ideal for processing cement casts.

Physical Properties

Product Data / Uncured

Components			A	B
Colour			Translucent	Translucent
Density @ 23°C		[g/cm ³]	1.1	1.1
Viscosity @ 23°C, after stirring	Brookfield	[mPa s]	25 000	1 000

Product Data / Cured – After 24 hours @ 23°C

Density at 23°C, in water	ISO 2781	[g/cm ³]	1.10
Hardness, Shore A	ASTM D2240		28
Tensile Strength	AFNOR NF T 46002	[MPa]	7.5
Elongation at Break	AFNOR NF T 46002	[%]	600
Tear Strength	ASTM D 624	[kN/m]	20
Linear Shrinkage		[%]	<0.1
Volume Expansion		K(-1)	9 x 10(-4)

Handling Properties

Mixing Ratio	A : B	[parts by weight]	10 : 1
Colour			Translucent
Viscosity @ 23°C	Brookfield	[mPa s]	20 000

Storage

RTV3428 has a shelf life of at least 20 months in the sealed container between -5°C and 30°C. If the material is kept beyond 12 months it is not necessarily unusable, but a test should be performed on the product to check suitability to the application.

Notes

Crosslinking by heat does not affect the properties of RTV3428, however, dimensional changes do occur during cure of the elastomer and should be allowed for.

Issue Date

5th July 2017

Revision Number

1

Disclaimer

The data presented in this leaflet are in accordance with the present state of our knowledge, and does 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. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the product for a particular purpose.