

BANANA-SKIN

RTV-2 SILICONE RUBBER FOR GLOVE MOULDING

Peels Like a Banana



PRODUCT DESCRIPTION

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

- Extremely Good Flow
- Very Low Shore A Hardness (approx 13)
- 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 and high elongation.
- Outstanding resistance to common reproduction materials.

APPLICATIONS

Due to the outstanding elongation and low demoulding forces as well as the superior mechanical properties, BANANA-SKIN is ideal for glove moulding and skin moulding applications. BANANA-SKIN is perfectly suitable for moulds with very large undercuts.

Product Data / Uncured

| Components | | | A | B |
|----------------------------------|----------|----------------------|-------------|------|
| Colour | | | Translucent | Blue |
| Density @ 23°C | | [g/cm ³] | 1.06 | .92 |
| Viscosity @ 23°C, after stirring | ISO 3219 | [mPa s] | 7 000 | 500 |

Product Data / Catalysed

| | | | |
|------------------|----------|-------------------|------------------|
| Mixing Ratio | A : B | [parts by weight] | 100 : 15 |
| Colour | | | Translucent Blue |
| Viscosity @ 23°C | ISO 3219 | [mPa s] | 5 000 |

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

| | | | |
|---------------------------|---------------|----------------------|-------|
| Density at 23°C, in water | ISO 2781 | [g/cm ³] | 1.03 |
| Hardness, Shore A | ISO 867 | | 13 |
| Tensile Strength | ISO 37 | [N/mm ²] | 3.0 |
| Elongation at Break | ISO 37 | [%] | > 700 |
| Tear Strength | ASTM D 624, B | [N/mm ²] | > 10 |
| Linear Shrinkage | | [%] | <0.1 |

BANANA-SKIN has a shelf life of at least 12 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.

Issue: 2

Date: 29th August 2007

The data presented in this bulletin 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.

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Processing

Important – The platinum catalyst is contained in Component B.

Caution – Only Components A and B with the same batch number may be processed together.

The table below indicate the pot lives and curing times at various temperatures.

The pot life figures indicate the time required for the mix to attain a viscosity of 60 000 mPa s.

Curing times apply to a layer thickness of 1 cm.

| <i>Temp °C</i> | <i>Pot Lives</i> | <i>Curing Times</i> |
|-----------------------|-------------------------|----------------------------|
| 5°C | 6 hr | |
| 15°C | 80 min | |
| 23°C | 40 min | 5 hr |
| 30°C | 20 min | |
| 70°C | | 20 min |
| 100°C | | 10 min |

Available Pack Sizes (BANANA-SKIN A/B): 575gm, 1.15kg, 5.75kg, 23kg, 230kg

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