

## MP304SF

### Application

- Medical applications
- Insulation
- Anti-vibration

### Key Properties

- Closed cell
- Flexible
- Non-shrinking

### Description

- Basic Two-component rigid foam
- Resin RP304SF
- Hardener HP304SF

Physical Data	Resin	Hardener	Mixed
Colour	Clear	Brown	Beige

The above are typical values and will vary depending on the cured mass and application. Hotter temperatures may be used for faster cure but will result in higher post cure shrinkage and higher cure exotherm. Experimentation and testing is suggested to avoid side effects.

### Processing

Mix ratio by weight 2:1

Typical Properties	Result	Unit
Operating Temperature range	-25 to +100	°C
Tack Free Time	3-5	minutes
Cream Time	30-60	seconds
Rise Time (to end)	2	minutes
Blow Ratio	10:1	
Volume Expansion	X10-12	
Exotherm (100g)	80	°C

### Approvals

RoHS compliant	Yes
REACH (SVHC concentration)	Refer to SDS

### Packaging

Available in: Bulk, Kits and sets.

### Availability

Contact sales on +44 (0) 1793 823741 or [sales@robnor.co.uk](mailto:sales@robnor.co.uk)

### Bulk Materials

RP304SF/NC/25KG	HP304SF/NC/25KG
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Both resin and hardener are supplied fully evacuated and ready for use.

Care should be taken to ensure when mixing the resins air is not entrained in the mixture.

If this is unavoidable the mixed resin and hardener should be re-evacuated before dispensing.

The bulk resin and hardener materials can be dispensed from suitable dispensing machinery, details provided by Fluid Research on request.

### Kits and Sets

MP304SF/NC/8KGSET	
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Kits and Sets are provided in separate containers to the correct ratio.

In Kit form, pour the contents of the smaller container into the larger container and use it as a mixing vessel.

Stir well using an appropriate mixer until homogeneous.

Note: Incomplete mixing will be characterised by erratic or partially incomplete cure even after extended time periods.

## Storage and Shelf Life

12 months at 25°C bulk Specialty packaging may be less.

Bulk containers should be inverted every two to three weeks to reduce the accumulation of the fillers on the bottom of the containers.

Isocyanates are sensitive to moisture and should be kept in their original container or in a volume tank under dry nitrogen blanketing.

Many isocyanates are prone to dimerization, the formation of a white precipitate. Products with minor amounts of this precipitate normally cure to full properties.

Storage at 20 +/- 5°C (60°F to 86°F) is recommended to ensure full shelf life.

## Health and Safety

Please refer to RP/HP304SF Health and Safety data or our Technical Service Department for individual/specific advice.

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The results and information above does not constitute a specification and is given in good faith and without warranty. The information is derived from test/or extrapolations believed to be reliable and is quoted for guidance only. The product is offered for evaluation on the understanding the customer satisfies himself that the product is suitable for the intended application by proper evaluation and testing.

## Contact Details

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