

SA74 Material Data Sheet

General Product Information

SA 74 grade is a silicone closed cell 'sponge' material particularly suited to sealing and damping applications. The material can be supplied in a wide selection of widths and thickness.

SA 74 can also be supplied with the option of an adhesive backing with a release liner, ideal for applications where the material needs to be adhered to a surface prior to assembly operations.

Material Physical Properties

Test	Range	Unit
Hardness	9 - 19	Shore A
Specific Gravity	0.40 – 0.50	g/cm ³
Tensile Strength	N/A	N/mm ²
Elongation	N/A	%
Tear Strength	N/A	Kn/m
Temperature Range	-50 up to 200	°C
Compression Set	Minimum 40% recovery after 30 minutes	%
Colour	Any	



Product Improvements & Amendments

Silicone Altimex have a policy of continuous improvement, material specifications are regularly reviewed using statistical analysis. Product specifications are liable to change based on this analysis. Silicone Altimex reserve the right to amend specifications at any time. If you require copies of amended specifications for your product please communicate this to the quality department.

Health & Safety

Health and safety data is available for all of the compounds produced at Silicone Altimex on request

Storage

Silicone Altimex certify that the material will meet the sales specification for a minimum of 5 years from the date of despatch provided the goods remain in the original packaging and are stored in such a way as to prevent damage. Product should be stored at ambient temperature.

Warranty

Due to the numerous applications our compound and profiles may be used for, Silicone Altimex will not warrant any product produced in this material. The compound is only guaranteed to perform within the parameters of the specific material specification. The customer must satisfy themselves that profiles and components produced in this material are fully tested for their required end use. Silicone Altimex will not accept liability for products produced in the material which have not been fully tested and subsequently fail in applications for which the material is not fully suited.

Customer Care

Silicone Altimex have a very experienced team of experts readily on hand to help with any problems you may have regarding silicone applications. Standard materials can be adjusted or new materials developed to suit particular customer and application requirements. Silicone Altimex are happy to assist customers in designing the ideal solution to their silicone problems

Visit our website @ www.silalt.co.uk



Self Adhesive Backed Sponge – General Information (all grades)

- Product:** Silicone sponge adhesive backed with a release liner.
- Density:** 0.25 – 0.50 g/cm³
- Temperature range:** Under unclamped conditions, the adhesive is not recommended for use at temperatures exceeding 180°C*

Under clamped conditions, temperatures exceeding 180°C may be applied
- Colours:** Product is available in black, brown or white (alternative colours can be produced on request)
- Adhesive thickness:** 60µm
- Sizes available:** 2mm, 4mm and 6mm thick with a width up to 50mm are readily available. Other sizes may be produced on request.

Cut lengths are available to suit customer requirements.
- Tolerances:** A tolerance of +/-0.5mm is generally applied to the material thickness. Other tolerances are to BS EN ISO 3734 pt4 Class E3. Tolerances may be adopted to suit specific customer requirements and should be requested.
- Shelf life:** Useful adhesive life - 2 years when stored at 15/25°C and 50% relative humidity.

It is recommended that the sponge should be used within 12 months to avoid de-lamination of the adhesive from the sponge.
- Peel strength:** Peel 180°C – 30 min (N/25mm) 16 (ASTM D903 – 49)
- Compression set:** 22 hours @ 100°C <40%

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