

SA 124B Material Data Sheet

General Product Information

SA 124B is a speciality grade silicone elastomer. It has been developed to withstand temperatures of 280°C and is capable of withstanding temperatures in excess of this for intermittent periods.

This material is primarily used in the domestic appliance industry, where its high heat resistance and excellent physical properties make it a superior choice for use as oven seals and stretch gasket applications.

The material can be formed into profiles by extrusion or moulding systems allowing an infinite number of complex sections to be manufactured.

Material Physical Properties

Test	Range	Unit
Hardness	49 - 59	Shore A
Specific Gravity	1.21 – 1.27	g/cm ³
Tensile Strength	7.0 minimum	N/mm ²
Elongation	400 minimum	%
Tear Strength	20 minimum	KN/m
Temperature Range	-50 up to 280*	°C
Compression Set	< 25	%
Colour	Black	

Cure Conditions

Physical properties are measured using a 2.5mm test sheet (6.0mm for hardness), cured under the following conditions:-

5 minutes press cure @ 116+/-5°C

4 hours post cure @ 200+/-5°C



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 solutions to their silicone problems

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