

## ***SA 97 Material Data Sheet***

### ***General Product Information***

SA 97 grade is a silicone polymer material suitable for electronic applications, primarily designed for use as dielectric sleeve for Corona treatment.  
The material can be pigmented to suit customer requirements.

### ***Material Physical Properties***

Test	Range	Unit
Hardness	65 - 75	Shore A
Specific Gravity	1.15 – 1.25	g/cm <sup>3</sup>
Tensile Strength	6.0 minimum	N/mm <sup>2</sup>
Elongation	250 minimum	%
Tear Strength	15.0 minimum	Kn/m
Temperature Range	-50 up to 200	°C
Compression Set	N/A	
Colour	Any	
Dielectric Strength	20	KV/mm
Volume Resistivity	10 <sup>15</sup>	Ohm/cm
Dielectric Constant	2.9 – 3.2	
Power Factor	0.003	

### **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***  
***Non post cure material***



### ***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](http://www.silalt.co.uk)



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