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**T32 \* Product Data Sheet**

**BSEN61212 SIGC21 T32 Silicone Glass Tube SRBG**

**Material Details**

|                        |  |
|------------------------|--|
| <b>Grade:</b>          | T32 *  |
| <b>Description:</b>    | Silicone Glass. A high quality silicone glass tube manufactured from a medium E type glass fabric with silicone resin.   |
| <b>Comments:</b>       | <p>A high quality silicone glass tube manufactured from a medium E type glass fabric with silicone resin. T32 exhibits excellent electrical properties coupled with low water absorption, good insulation resistance and is suitable for use both at high temperatures and in high frequency applications.</p> <p>* Not manufactured by The Attwater Group</p> |
| <b>Specifications:</b> | BSEN61212-3-1 SIGC21 (Which supersedes BS6128 SIGC81). The closest NEMA equivalent to this specification is G7   |
| <b>Body Colour:</b>    | White  |
| <b>Finish:</b>         | Ground (unless otherwise stated)   |
| <b>Size:</b>           | <p>1220mm trimmed (max)</p> <p>Thickness Range: Min ID 10.0mm, Min wall 1.0mm(Ground) 2.0mm(as produced).</p>  |

**General Properties**

| Property         | Unit of measure   | Typical Value |
|------------------|-------------------|---------------|
| Density          | g/cm <sup>3</sup> | 1.9           |
| Water Absorption | mg                | 1             |

| Property               | Unit of measure | Typical Value |
|------------------------|-----------------|---------------|
| Flammability Category† | --              | FV0           |

† Where relevant, the flammability test method is used solely to control and monitor consistency of production. Under no conditions should the results be considered in relation to fire hazards under actual conditions of use.

## Electrical Properties

| Property                  | Unit of measure | Typical Value |
|---------------------------|-----------------|---------------|
| IR (24hrs Water Immersed) | G $\Omega$      | 3000          |
| IR (Dry)                  | G $\Omega$      | 3000          |
| Radial Electric Strength  | MV/m            | 8             |

## Mechanical Properties

| Property          | Unit of measure | Typical Value |
|-------------------|-----------------|---------------|
| Cohesion          | --              | 100           |
| Axial Compressive | --              | 40            |

## Thermal Properties

| Property                  | Unit of measure | Typical Value |
|---------------------------|-----------------|---------------|
| Thermal Rating Continuous | °C              | 200           |

Disclaimer: The above values are based upon routine test data and do not form the basis of a supply contract. These products may be used in a diverse range of applications and whilst every effort is made to ensure the information in this data sheet is accurate, it must be stressed that it is the user's responsibility to ensure suitability for the intended end use.

Source: <https://www.attwater.com/products/t32/>