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T38 (FR) Product Data Sheet

Material Details

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|-------------------------|--|
| Grade: | T38 (FR). (Type: Glass Fibre - SRBG (Not manufactured by The Attwater Group)) |
| Description: | Epoxy Glass. Flame retardant (Not manufactured by The Attwater Group) |
| Comments: | A high quality epoxy glass tube manufactured from brominated epoxy resin with a medium weave glass-cloth suitable for use at up to 130 deg C (Class B). T38 tubes offer mechanical and electrical properties similar to those of T36 with improved resistance to burning. T38 is less susceptible to stress cracking where the tube has a thick wall than other glass grades. |
| Specifications: | BSEN61212 EPGC23 The closest NEMA equivalent to this specification is FR4. |
| Body Colour: | Pale Green |
| Standard Finish: | Ground (unless otherwise stated) |
| Size: | 1220mm trimmed (max) Thickness Range: Min ID 10.0mm, Min wall 1.0mm(Ground) 2.0mm(as produced). † |

General Properties

| Property | Unit of measure | Typical Value |
|------------------------|-------------------|---------------|
| Density | g/cm ³ | 1.9 |
| Water Absorption | mg | 0.5 |
| 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 □ | 1000 |
| IR (Dry) | G □ | 1000 |
| Radial Electric Strength | MV/m | 8.5 |

Mechanical Properties

| Property | Unit of measure | Typical Value |
|-------------------|-----------------|---------------|
| Cohesion | - | 380 |
| Axial Compressive | - | 200 |

Thermal Properties

| Property | Unit of measure | Typical Value |
|---------------------------|-----------------|---------------|
| Thermal Rating Continuous | °C | 130 |

Notes

- Datasheet Issue No. 1

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/t38-fr/>