



Silicon Safe Encapsulation can provide protection to electronic circuitry from dust, damp, RFI/EMC, tampering etc by providing a plastic envelope. The encapsulation is achieved without the use of clips, screws or adhesives. Mould tools are designed at Tekdata and can be customised to include logos, instructions for use and part numbers. Virtually any shape or colour can be supplied. The encapsulation process does not affect the specification of the electronic components and therefore the performance of the circuitry.



MAIN FEATURES

- Encapsulation does not adversely affect active components.
- Tamper Resistant - no clips or screws
- Light weight
- Connector pins maintain float
- Relatively low tooling costs
- Very high pull strength when used with cables

TYPICAL APPLICATIONS

- Software security dongles
- Patient monitoring probes
- Intelligent moulded cable assemblies
- Line terminators
- Mini-testers
- Battery packs
- Electronic Keys



SPECIFICATIONS

| | |
|-------------------------------|---|
| Size: | Up to 300 mm x 300 mm x 100 mm (typical) |
| Temperature Range: | RelTEK™ compounds are available for temperature ranges from 40°C to +260°C |
| Humidity: | 0% - 100% (requirements to be specified by customer) |
| Specifications: | UL, CSA, BS5724 (Food and pharmaceuticals) can be designed to meet FCC Docket 20780, VDE 0781/6.78 and CE |
| Toxicity: | Zero halogen compounds are available |
| Testing: | To be specified by customer. Full function testing can be provided |
| Cable Assembly Pull Strength: | Greater than 35kg (if cable can withstand such a pull). |

Note: Above specification may not apply to every product and therefore do not constitute a guarantee. Customers requiring guarantees must obtain these in writing. Due to our policy of continuous development, specifications may be changed without notice unless otherwise agreed.

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Tekdata
interconnect systems