

IS 5128 E

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Description

IS 5128 E adhesive/sealant is a one component neutral RTV which quickly cure to form elastic, flexible silicone rubbers. This product is specially developed to be non-corrosive to metals including copper and copper alloys, coupled with fast cure. IS 5128 E has a thixotropic paste consistency, excellent dielectric properties and excellent primerless adhesion to plastics like polycarbonate, which make these materials ideal for electronic applications as well as for sealing bonding high performance plastics.

Key Features and Benefits

- non-corrosive to metals
- fast cure
- non-acid cure, low smell, no irritating vapours
- compatible with polycarbonate
- excellent dielectric properties
- temperature -50° to +150° C

Typical Physical Properties

Typical Uncured Properties

| | |
|--------|-------------|
| | 5128 E |
| Colour | Translucent |

| | | |
|---------------------------------------|-------------------|-------|
| Density | g/cm ³ | 1.03 |
| Tack Free Time | minutes | 10 |
| Consistency | | Paste |
| Application rate, 6mm orifice/2bar | g/min | 250 |

Typical Cured Properties

| Property | Test Method | Unit | Typical value |
|-----------------------------|-------------|---------|--------------------|
| Hardness | DIN 53505 | Shore A | 20 |
| E Mod @ 100% | DIN 53504 | MPa | 0.35 |
| Tensile Strength | DIN 53504 | MPa | 1.7 |
| Elongation | DIN 53504 | % | 550 |
| Dielectric Strength | | kV/mm | 25 |
| Dielectric Constant (50 Hz) | | | 2.8 |
| Dissipation Factor (50 Hz) | | | 0.005 |
| Volume Resistivity | | ohm·cm | 1x10 ¹⁵ |

Patent Status

Standard copy to come

Product Safety, Handling and Storage

Standard copy to come

Limitations

Standard copy to come

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