IS 5128 E

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/cm³ | 1.03
Tack Free Time | minutes | 10
Consistency | Paste
Application rate, 6mm orifice/2bar | g/min | 250

**Typical Cured Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Test Method</th>
<th>Unit</th>
<th>Typical value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness</td>
<td>DIN 53505</td>
<td>Shore A</td>
<td>20</td>
</tr>
<tr>
<td>E Mod @ 100%</td>
<td>DIN 53504</td>
<td>MPa</td>
<td>0.35</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>DIN 53504</td>
<td>MPa</td>
<td>1.7</td>
</tr>
<tr>
<td>Elongation</td>
<td>DIN 53504</td>
<td>%</td>
<td>550</td>
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<tr>
<td>Dielectric Strength</td>
<td>DIN 53504</td>
<td>kV/mm</td>
<td>25</td>
</tr>
<tr>
<td>Dielectric Constant (50 Hz)</td>
<td></td>
<td></td>
<td>2.8</td>
</tr>
<tr>
<td>Dissipation Factor (50 Hz)</td>
<td></td>
<td></td>
<td>0.005</td>
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<tr>
<td>Volume Resistivity</td>
<td></td>
<td>ohm·cm</td>
<td>1x10¹⁵</td>
</tr>
</tbody>
</table>

**Patent Status**
Standard copy to come

**Product Safety, Handling and Storage**
Standard copy to come

**Limitations**
Standard copy to come

**Contact Information**
For product prices, availability, or order placement, contact our customer service at [Momentive.com/CustomerService/](http://Momentive.com/CustomerService/)

For literature and technical assistance, visit our website at: [www.momentive.com](http://www.momentive.com)
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