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| <b>Technical Data Sheet</b><br><b>Issue Date: 01-11-02</b> |  | <b>Product Code:</b><br><b>VC-150</b><br><b>Vital Blue RTV</b> |
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**Product Description:**

Vital Blue RTV is the original gasket maker formulated for sensor-safe and heavy duty applications. It makes reliable “formed-in-place” gaskets that resist cracking, shrinking and migration caused by thermal cycling. Ideal to replace almost any cut gasket. Also use to coats pre-cut gaskets to increase reliability. It is permanently flexible and stable at temperature of between -80°F to +500°F (-62°C to +260°C) intermittent. It is also highly resistant to auto and shop fluids.

**Applications:**

Applications: Valve covers, oil pans, timing covers, water pumps, thermostat housing, transmission pans etc.

**Physical Data:**

Unvulcanized Rubber

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|--|----------------|
| Specific Gravity (DIN 53479)                             | 1.07           |
| Skin Over Time   | 5 to 20 mins   |
| Tack Free  | 60 to 180 mins |
| Extrusion Rate at 2.5 bar (nozzle diameter: 3mm (0.12")) | ca. 45g/mins   |
| Extrusion Rate at 6.3 bar (nozzle diameter: 3mm (0.12")) | ca. 250g/mins  |

Vulcanized Rubber

\*measure after curing for 7 days at 23°C in 50% RH

|  |                 |
|--|-----------------|
| Tensile Strength (DIN 53504 S2)          | ca. 1.7 MPa     |
| Elongation at Break (DIN 53504 S2)       | ca. 400%        |
| Hardness Shore A (DIN 53505)             | ca. 25          |
| 100% Module (DIN 53504 S2)               | ca. 0.5 MPa     |
| Shear Strength (aluminum) (DIN 53283)    | ca. 0.8 MPa     |
| Sheer Strength (Cr/Ni steel) (DIN 53283) | ca. 0.7 MPa     |
| Dielectric Constant (DIN 53453)          | ca. 2.9         |
| Dielectric Factor (DIN 53483)            | ca. 19.10       |
| Volume Resistivity (DIN 53482)           | ca. 1.10 ohm.cm |
| Dielectric Strength (DIN 53481)          | 21 kv/mm        |

**Directions:**

1. Surfaces must be clean, dry and free of dirt, grease, oil or water. Puncture the tube with the cap and install nozzle.
2. Apply 2-4mm bead to one surface only. Allow the sealant to skin over before assembly.
3. Uncured sealant can be cleaned up with mineral spirits.
4. Replace cap after use and store in cool, dry place.

**CAUTION:**

This product emits Acetic Acid whilst curing. Uncured sealant causes skin and eye irritation upon contact. Avoid prolonged contact with eyes or skin. In case of eye contact, flush with water for 15 minutes and seek medical attention immediately. In case of skin contact, wipe off and wash with soap and water.

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**Storage:**

Store in a dry and cool place below +30°C. Use within 12 months from the date of shipment

Every endeavor has been made to ensure that the information given herein is true and reliable but it is given only for the guidance of our customers. The company cannot accept any responsibility for the loss or damage that may result from the use of the information, due to the possibility of various of processing or working conditions and of workmanship outside our control. Users are advised to confirm suitability of this product by their own tests.

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