VIETAPE
Tape the world

Technical Data Sheet

VieTape SI7101

SILICONE POLYMER SELF- FUSING

DESCRIPTION

VieTape SI7101 is a high-performance, specialized silicone-based tape that is self-fusing when tightly wrapped under pressure. This product does not contain a traditional adhesive layer but instead forms a durable, homogeneous bond with itself, creating a robust protective layer. VieTape SI7101 leverages the inherent properties of silicone, featuring exceptional flexibility and elastic properties, designed for sealing, electrical insulation, and protection in demanding applications..

APPLICATIONS

- Leak Repair & Sealing: Pipes, connections, drainage systems.
- Flexible Solutions: Temporary or permanent sealing for leaks or protection.
- Electrical & Cable Protection: Splices, wires in harsh environments.
- Waterproof Joints: Withstands high temperatures, weather, chemicals.
- Diverse Industries: Automotive, industrial (moisture, corrosion, abrasion protection).

TYPICAL PERFORMANCE PROPERTIES

Properties	Value
Chemical base	Silicone
Color	Orange, white...
Density	1.3kg/m³
Thickness	0.65mm (Optional)
Tolerence	10%
Hardness	50±10 shore A
Tensile Strength	5MPa
Elongation	>320%
Working temperature	-50 to 200°C
Short term temperature resistance	Up to 260°C
Dielectric Strength	>18kV/mm
Volume Resistivity	$5x10^{15}$ Ohm-cm

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DIRECTION OF USE

Temperatures between 21 and 30°C are ideal for application.

For greater substrate contact, pressure-sensitive adhesives use viscous flow. Better adhesive contact is created by applying firm application pressure, which also strengthens the bond. For operation at low temperatures, this is particularly crucial.

The bonding surfaces must be thoroughly united, clean, and dry in order to achieve the best adhesion. Typical surface cleaning solvents are isopropyl alcohol/water mixture (rubbing alcohol) or heptane. Please take the appropriate precautions to handle solvents safely.

SHELF LIFE

36 months from date of manufacture when stored at 10 - 30°C and 0 - 75% relative humidity.
The optimal storage conditions are 22°C and 50% relative humidity.

The above values are sample observed values, we do not guarantee the actual performance due to the different of application method, bonding design, bonding substrate.. We highly recommend customer to test in the real part