



MTI[®] – Data Specification 8/15 T80 Product Description

MTI[®] (Membrane Tube Infusion) is a worldwide registered trademark and describes a cutting-edge composite production method, developed by the German based company DD-Compound to optimize and streamline the Vacuum Infusion Process.

The MTI[®] hose can be utilized for any evacuation process where spiral wraps or any other media has been applied so far. The functionality is based on a high-tech textile membrane hose which is permeable to gas but impermeable to resin. The barrier effect of the membrane prevents resin entering the evacuation hose. Thus MTI[®] hose can be located directly on the fiber part, e.g. at critical points or fields with material accumulation (thicker layers). The resin allocation can be arranged independently from the MTI[®] hose and the risk of getting dry spots (voids) is remarkably reduced. Also, a resin catch pot is no longer necessary and the fiber to volume ratio can be calculated exactly because resin can not escape the mold cavity. An integrated spiral hose ensures a smooth handling and provides an effective airflow channel for maximum evacuation performance even under adverse conditions. The self-regulating MTI[®] process affects positively the reliability, reproducibility, product quality, material and labor costs of vacuum assisted production processes.

• Internal Diameter	8mm
• External Diameter	13 mm
• Maximum Operation Temperature	175°F (80°C)
• Maximum Temperature Resistance of the Membrane	320°F (160°C)
• Field of Application	Vacuum Infusion
• Extraction capacity per m with P_{abs}	50hPa > 20l/min.
• Applicable Resin	Epoxy, Polyester
• Membrane Material	Polyurethane
• Non-woven Material	Polyester
• Spiral wrap Material	Polyethylene
• Maximum Tensile Strength of the MTI [®] -hose	20 N

Before using the MTI[®] hose please refer to the “MTI[®] - How to Use” Instruction Manual on the [MTI hose](#) website.

Exclusive Importer USA and Canada

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