

Data specification

MTI® hose 8/15 T80

The MTI® hose can be utilized for any evacuation process where spiral tubes or any other media has been applied so far. The MTI® hose is placed around the mold-lip, like an annular piping. 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). Using the MTI® hose guarantees the complete impregnation of the fabric. The resin allocation can be arranged independently from the MTI® hose, so it is possible to manufacture complex fiber parts by vacuum infusion. The risk of dry spots (voids) will be remarkably reduced. The fiber to volume ratio can be exactly calculated because no resin can escape the mold. An additional advantage; the infusion process is visible and can be monitored at any time.

- Manufacture: customized
- Internal diameter of the MTI® hose: 8mm
- External diameter of the MTI® hose: 15mm
- Maximum operation temperature: 80°C
- Maximum temperature stability of the membrane: 160°C
- Field of application: Vacuum infusion
- Applicable resin: Epoxy resin, Polyester resin
- Membrane material: Polyurethane
- Non-woven material: Polyester
- Spiral coiled tube: Polyethylene
- Maximum tensile strain of the MTI® hose: 20N

Application instructions

Before using the MTI® hose please verify, whether the membrane is damaged or not. The MTI® hose should be lay in with the seam towards the mold.

Storage

Please store the MTI® hose in cool and dry place. The ideal storage temperature is between 10 and 20°C (50 and 68°F). Relative humidity should be between 50 and 75%. To avoid entrapping of moisture you should unpack the MTI® hose 12 hours before usage and store it in the room of application. Before using the MTI® hose please verify, whether the membrane is damaged or not. The MTI® hose should be laid so that the seam is towards the mold.

These instructions are provided to the best of our knowledge and comply with our current levels of awareness. However please note that these instructions are not binding.