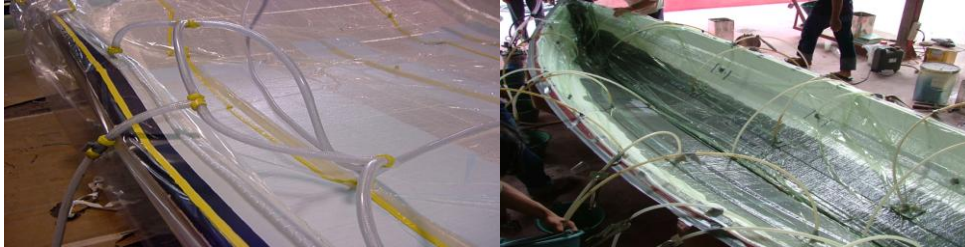


Technical Literature

SS Reinforced PVC tube



The Vacuum Infusion Process (VIP) is a common resin infusion fabrication method that uses vacuum pressure to drive resin into dry fibre-reinforcement material. Materials are laid up dry into the mold and the vacuum is applied before resin is introduced. Once a complete vacuum is achieved, resin is literally sucked into the laminate via carefully placed resin-feed tubing. There has been a large shift to the VIP process during 2003 since it is simple to set-up and many raw material suppliers provide all the reusable materials necessary for this process. As VOC (Volatile Organic Compound) emissions are regulated to lower percentages, a closed resin infusion process allows one to achieve these goals. EOS supplies high quality resin feed steel reinforced tubes for the vacuum infusion process.

The VIP is used in various applications such as windmill blades, boat hulls, Aerospace composites etc.

Vacuum infusion provides a number of benefits:

- Exceptional fiber-to-resin ratio
- Less wasted resin
- Very consistent resin usage
- Unlimited set-up time

Dimension in mm	25(I.D.)x 32 (O.D.)	16(I.D.)x 22(O.D)	19 (I.D) x 25 (O.D.)
Thickness	3.5mm	3 mm	3 mm
WP	5 bar	6 bar	5 bar
Temp Range	-5°C - 65°C	-5°C - 66°C	-5°C - 65°C
Steel Wire Diameter	1 mm	0.8 mm	0.8 mm
Thread pitch	8 mm	7 mm	8 mm

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