



Carbon Fibre

Achieving Production Level Scale-Up in a Key Material Sector

The manufacturing process includes the synthesis of the basic raw material polyacrylonitrile (PAN) copolymer.

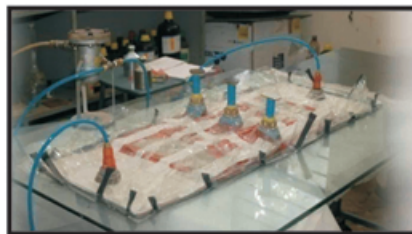
Special acrylic fibres (SAF) filaments with diameters of roughly 10-13 microns are prepared and spun.



Spinning of SAF fibres

Carbon fibres prepared are of the standard sizes and properties and are available in the international market.

VERITY - A Cost-Effective Way of Manufacturing High-Quality Composites

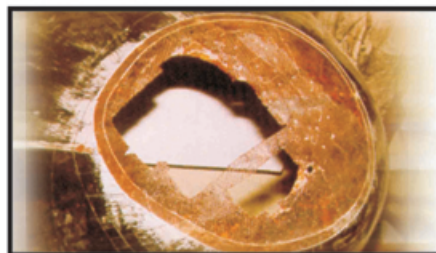


A typical infusion process

In the VERITY process, the resin, in its liquid form, is infused into fibres using a clever combination of vacuum, pressure and temperature.

Repairing Aircraft Structures

Composite/hybrid repairs on primary aircraft structures has helped in extending aircraft life.



Damaged and repaired radome

