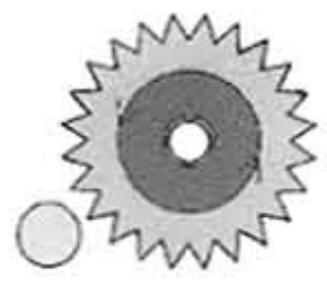


Polymer Insulator

- Manufacturing Process Step 1 -

1. FRP Rod Sanding
-Make rough FRP rod surface improve the adhesive with silicone.

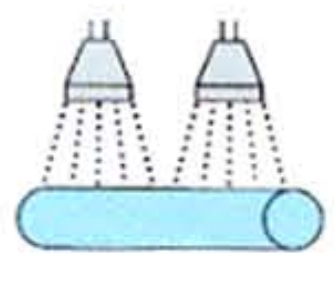


FRP Rod Sanding Process

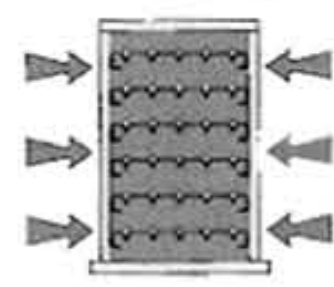


FRP Rod Sanding Machine

2. FRP Rod washing and drying
-Remove the impurities like dust, grease, etc.
-Drying and keep clean.



Conceptional image of FRP Rod cleaning.



Conceptional image of FRP Rod drying.



Ultrasonic cleaner



Dry oven

3. Adhesive spread
-Keep the FRP rod dry and clean, when spread adhesive.

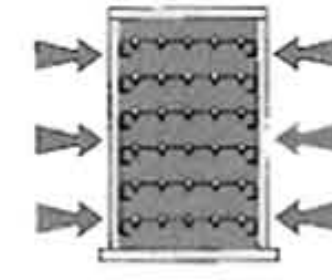


Conceptional image of adhesive spread



Adhesive spread toll

4. Drying adhesive
-Adhesive spread on FRP rod, dry and aging in constant temperature and humidity condition.



Conceptional image of FRP Rod Drying



Dry oven

5. Silicone rubber management
-Meet the physical properties and Standard.
-Keep clean.
-Management of Test report

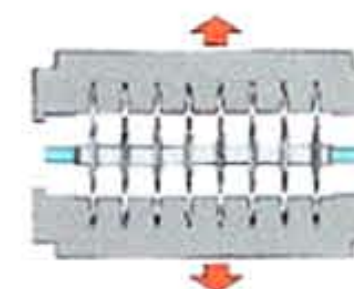


Silicone rubber



Silicone Rubber Injection

6. Injection molding
-Temperature, time, injection speed, injection pressure, vacuum pressure setting.
-Appearance: Manage to Crack, pour, unvulcanized rubber, scratch.



Conceptional image of Injection molding



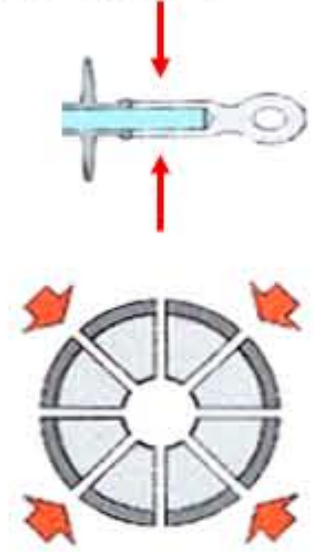
Injection molding machine

Polymer Insulator

- Manufacturing Process Step 2 -

7. Pressing

-Set the pressing pressure accordance with product's specification and both sides of metal fittings may meet in their center lines.



Conceptual image of pressing metal fittings



Auto press machine



Season for transform test machine

8. Inspection

-Mechanical test
-Electrical test



Horizontal tension tester



Universal testing machine



A.C Puncture tester



Tracking resistance tester

9. Packing



Wrapping machine

10. Release

