PPRCT Product Range (PPRCT Pipes as per IS 15874 and Fittings as per 16962 Part 5 to 10):

- **PPRCT Pipes:** 20 MM to 63 MM PN 16 & 20
  75 MM to 315 MM PN 10, 16 & 20

- **Coupler:** 20 MM to 315 MM PN 20

- **Elbow:** 20 MM to 315 MM PN 20

- **Equal Tee:** 20 MM to 315 MM PN 20

- **End Cap:** 20 MM to 315 MM PN 20

- **Reducer:** 20 MM to 315 MM PN 20

- **Reducing Tee:** 20 MM to 315 MM PN 20

- **Long Radius Bend:** 20 MM, 32 MM, 50 MM, 63 MM PN 20

- **Core Flange:** 20 MM to 315 MM PN 20

- **Step Flange:** 20 MM to 315 MM

- **Male Threaded Adaptor:** 20 MM to 63 MM PN 20

- **Female Threaded Adaptor:** 20 MM to 63 MM PN 20

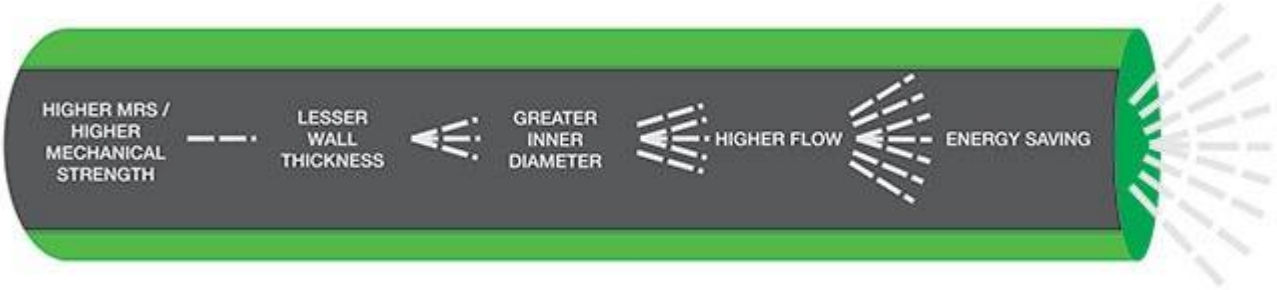
- **Elbow 45 Degree:** 20 MM to 160 MM PN 20

- **Female Threaded Tee / Elbow:** 20 MM to 32 MM PN 20

- **Male Threaded Tee:** 20 MM to 32 MM PN 20

- **Male Threaded Elbow:** 20 MM to 32 MM PN 20

Prominent Features – PPRCT FR Composite Pipes and Fittings



- **Higher MRS / Higher Mechanical Strength:**

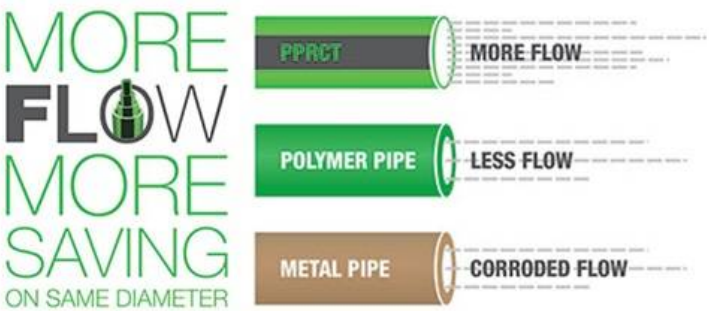
Anjney brand **Thermal FR Composite Piping** made from special grade of polypropylene having higher MRS that strengthening the pipeline that increases the pressure and temperature withstand capacity. This also reduces the clamping requirement in the pipeline and cost of the company. PPRCT Pipes manufactured by Anjney Tubes India is having more mechanical strength leading to higher and smoother flow with excellent temperature resistance with great impact strength and lesser thermal expansion.

- **Lesser Wall thickness:**

Higher MRS in the pipeline minimizes the wall thickness requirement which actually reduces the weight of the pipeline and makes installation process easier and economic. Moreover PPRCT Pipes have the same Pressure Resistance with lesser wall thickness and have all benefits such as temperature resistance, lower thermal conductivity which will direct support to Energy Saving.

- **Greater Inner Diameter:**

Higher MRS reduces the wall thickness of the pipeline and ultimately gives higher inner diameter in the same size pipe compared to other PP / PPR / PPFRP Pipes. Greater Inner Diameter gives smooth and speedy flow compared to other Pipes.



- **Thermal Expansion:**

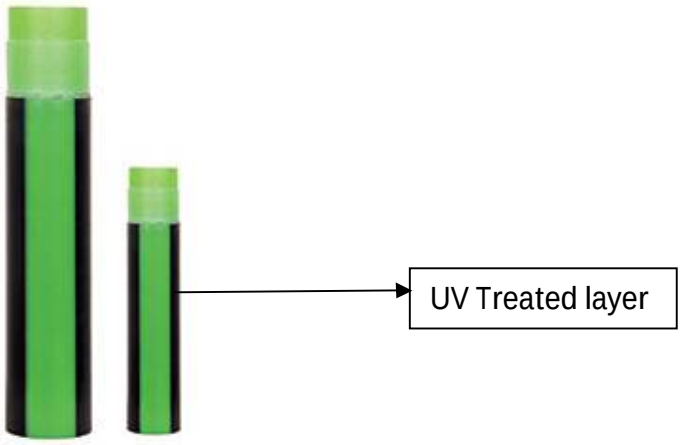
The mechanical strength of PPRCT Pipes and Fittings is remarkable which gives high resistance of pressure to the pipeline and leads to lower thermal expansion. Thus lower thermal expansion in the pipeline results into least pressure drop and sagging that ultimately lessen the clamping requirement in the pipeline which directly affects the cost of the company.

- **Thermal Conductivity:**

PPRCT FR Composite Pipes and Fittings have very less Thermal Conductivity compared all PP / PPR / FRP / GRP Pipes as well as all Metal Pipes which is 0.024 Btu/hr. Lower thermal conductivity leads to least heat loss in the pipeline. Hence, in order to maintain the temperature, users need to do minimum insulation on the pipeline that too just prevent the sweating because Anjney brand PPRCT Pipe is having negligible heat loss.

- **UV Resistant:**

Anjney Tubes India has recently launched the newly innovative product PPRCT FR Composite Pipes and Fittings having UV treated carbon layer on the pipe which let the pipeline to be installed in the direct sunlight.



Technical Evaluation:

Since the establishment, ***Anjney Tubes India*** is performing continuous R & D and putting never ending efforts in introducing new products at the span of every 5 years by updating and upgrading its existing product range. Along with the upgradation in technology across the globe, ***Anjney Tubes India*** is also making updation and upgradation in its existing manufacturing process as well as products.

Anjney PPRCT FR Composite Pipes and Fittings have been developed with special grade of Polypropylene and Glass Fiber Reinforcement satisfying the industrial needs of the customers by reducing remarkable maintenance cost and by increasing its life expectancy as well as Energy Saving. Looking at the below table, important parameters of PPRCT FR Composite Piping can be compared with other Piping.