



### **IS 9627: 1980 'Specification for asbestos cement pressure pipes (light duty)'**

**IS 9627** specifies the requirements for **light-duty asbestos cement pressure pipes**, which are designed for water conveyance in low to moderate pressure applications. These pipes are typically used in water supply and irrigation systems where corrosion resistance and durability are required for long-term service.

The standard ensures that pipes offer high resistance to corrosion, sufficient strength to withstand specified internal pressures, and reliable water-tightness. Key quality parameters include **hydraulic bursting strength, transverse crushing strength, and longitudinal bending strength**. The standard also prescribes specific requirements for dimensional accuracy, thickness, and straightness, ensuring consistent product quality for safe installation and operation.

The standard sets strict guidelines for material composition, dimensions, and strength requirements. It refers to **IS 269/IS 8041/IS 455/IS 1489** for raw material. It mandates testing for **hydraulic pressure-tightness, crushing resistance, and bending stress** to confirm that pipes can endure typical operational conditions without failure. In addition, **jointing methods** with rubber sealing rings or cast iron components are specified to ensure leak-proof connections, enhancing reliability in water distribution networks. Through these provisions, IS 9627 ensures consumer confidence in the product's **durability** and **effectiveness** in safe water conveyance applications.