



## Summary On Indian Standard 9842:1994 “Preformed Fibrous Pipe Insulation - Specification”



Indian Standard IS 9842:1994 specifies requirements for preformed fibrous pipe insulation made from mineral wool, typically used for thermal insulation. This standard covers materials produced from rock, slag, or glass wool and describes tests for properties like bulk density, shot content, moisture resistance, incombustibility, thermal conductivity, and heat resistance.

The insulation is designed for various hot-face temperature ranges and is supplied as hollow, split cylinders in lengths from 50 to 100 cm with varying thicknesses.

Key features include limits on moisture absorption, dimensional tolerance, thermal shrinkage, recovery after compression, and sulphur content. Optional tests assess pH, microbial resistance, odor emission, and corrosive effects.

The mineral fibre preformed pipe insulation shall be packed in the manufacturer’s standard commercial containers.

The product must be marked with essential information such as source, pipe size, thickness, density, and temperature rating.