International Industries Ltd.

Promising Reliability, For Now and Tomorrow

IIL PEX Pipe

Product Features

IIL is the pioneer in the manufacturing of PEX (Cross Linked Polyethylene) pipe in Pakistan. IIL PEX pipe is one of the most versatile, performance and cost efficient system for the transport of hot and cold water, under elevated pressure and temperature condition. IIL PEX pipe is relatively low cost, much more technically advanced, easier to install, food grade and environmentally safe pipe for drinking water.

Application and Uses

IIL PEX piping can be used in a wide variety of applications in residential construction, we are focused on the design and installation of IIL PEX hot and cold water supply system for concealed plumbing only, which can be used for both new construction and re-modeling projects.

Other applications for IIL PEX include:

- Radiant floor heating systems for suspended floor system or in slab construction
- Municipal water service pipe in underground applications
- Snow and ice melt systems for sidewalks, drive ways and entrances.
- Turf conditioning for green houses, golf courses and sports field surfaces

Product Colour

- White (translucent)

Product Range

- Standard diameter ranges are 20, 25 and 32 mm.

Advantages

Some of the advantages of our upcoming product PEX pipe are as under:

- PEX is one of the most versatile, easy-to-use plumbing systems available
- PEX pipe is suitable for use with hot or cold water. With the proper adapters, PEX pipe can be used with GI pipe.
- PEX is the most flexible plumbing pipe available. It can be bent around most corners without elbows fitting.
- Most plumbing leaks and system failures occur at joints in fittings. Since PEX requires fewer fittings and in combination with nylon compression type fittings, there is no chance of leakage and it can be installed faster.
- PEX flexibility also allows it to expand and contract more than other types of pipe. Increased capacity for expansion makes PEX more burst resistant.

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Advantages

- Traditional plastic are joint with adhesive and as such when not in use for a long time it will start to smell, this is not the case with IIL PEX pipe because we are using nylon fittings, normally used in CNG kits, and just need to tightened with spanner.

Raw Material Specification

IIL PEX Pipe is manufactured by Prime grade PE-Xb (Silane grafted) raw material.

Packaging

1. 100 meters coil
2. 4 meters straight length

Test Performed

1. Melt Flow Index
2. Density
3. Heat Reversion
4. Hydrostatic Pressure Test
5. Gel Content Test

IIL presents a complete piping solution and recommends that you should put the IIL-PEX pipe in combination with IIL-GI pipe which does not get damaged when exposed to the sun, taking the GI pipe from your underground water tank to your overhead water tank and in all outdoors, whereas the IIL PEX can be used indoors buried under concrete and tiles.

Series 4, PN-08

Nominal Size (mm)	Average ID	Average OD	Average Thickness	Colour Coding
20	15.15	20.15	2.5	Blue
25	19.15	25.15	3	Red
32	24.45	32.15	3.85	Green

Series 5, PN-06

Nominal Size (mm)	Average ID	Average OD	Average Thickness	Colour Coding
25	20.15	25.15	2.50	Black
32	25.95	32.15	3.10	Bright Orange

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