



Nitrile Rubber Insulation Foam :

Elastomeric foam Insulation material manufactured from Nitrile Rubber in Preformed tubing and sheet. Nitrile Rubber insulation shows various properties due to its close cell and open cell structure. Closed cell Nitrile Rubber insulation has good thermal property while open cell structure provides good acoustic properties. It can be bifurcated in Class "O" and Class "1" on the basis of its fire resistance properties.

Closed Cell Class "O" Nitrile Rubber Insulation sheet / tubes: (FM APPROVED)

It is a closed cell flexible elastomeric foam made from nitrile rubber. This material has low thermal conductivity and high water vapour diffusion resistance.

Characteristics:

| | |
|----------------------------|---|
| Density in (Kg/M3) | 40-60 |
| Thermal Conductivity | 0.038 at ambient |
| Thicknesses in (mm) | 6,9,13,19,25, 32 |
| Pipes diameter from | (¼") 6 mm to (4 ¼") 108 mm (tube length 2 Mt) |
| Temperature range | - 40 Deg C to +105 Deg C |
| Water Vapour Diffusion | >= 7000 |
| Ecological data | No asbestos, No HCFC- CFC, No formaldehyde -Cd-Hg Etc |
| Corrosion Risk | Non Corrosive |
| Toxicity | Low carbon monoxide formation |
| Asbestos | No Asbestos |
| Fungus growth | No growth observed |
| Closed cell | 90% |
| Odor | Odor less |
| Ozone Resistance | Very Good |
| Resistance to oil & grease | Very Good |



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Application :

- Insulation of Chilled water Piping
- HVAC : Duct Insulation, Air Conditioning copper pipe insulation
- Hot Water Pipe Lines (Plumbing / Solar)
- Refrigeration Cold storage Insulation
- Under Deck Insulation

Advantages:

- Completely closed cell elastomeric nitrile rubber.
- Quick and easy to install.
- Flexible, durable and easy to handle
- Good tensile strength
- Very high water vapour diffusion resistance and no cladding is required if install inside.
- It is available with reinforced Aluminum foil and glass cloth and self adhesive backing
- It meets class "o" fire performance as per BS 476 Part 6 & 7
- It is FM approved