

Air-Pro™ Compressed Air Piping System

The Air-Pro™ piping system is specifically constructed for compressed air. Corrosion resistant to compressor synthetic oils and mineral oils, light-weight, quick to install, and with minimal system pressure drop, Air-Pro is the system of choice in numerous compressed air applications.



Air-Pro Features:

- Available in sizes ½" to 12" with socket, butt and electrofusion fittings in a variety of styles including tees, reducing tees, 90s and 45s
- Fast, low-cost installations
- Operating pressures from 150 to 230 psi
- Constructed from specially engineered (Solvay Eltex TUB 124 blue) PE 100 high-density polyethylene (HDPE) resin, which is extremely ductile, light-weight and corrosion resistant
- Chemically resistant to compressor synthetic oils and mineral oils that traditionally attack glued and metal systems



Material Properties

Advantages of PE 100 in compressed air supply

- Excellent resistance to compressor oils and aggressive ambient air
- Superior stress cracking resistance
- High creep rupture strength
- High pressure load resistance PN 16 at 20°C
- Wide temperature range (between -30°C and +60°C)
- Exceptional weldability
- Easy, clean, rapid and safe installation
- Corrosion resistant (compressed air not polluted by corrosive deposits from the piping)
- Low frictional resistance resulting in decreased pressure drops and increased flow rates when compared to metal pipes of the same internal diameter
- Lower flow noise level compared to pipes made from other materials

Additional properties

- Low specific weight of 0.96g/cm³ (PVC 1.40g/cm³, steel 7.86g/cm³)
- Very good chemical resistance
- Excellent resistance to rapid crack growth
- High weathering resistance
- No electrical conductivity
- Outstanding abrasion resistance
- No deposits or growth
- Frost resistant
- Very good thermal insulating property
- Rodent resistant
- Resistant to any microbial corrosion