



Specifications sheet

OXYPERT®

PE-RT oxygen barrier tubing

Overview

BOW's OXYPERT® tubing is designed specifically for hydronic heating and hydronic radiant closed loop heating applications. OXYPERT® tubing can also be used in snow melting applications. This tubing has an oxygen outer barrier liner which makes it ideal for hydronic and radiant floor heating applications. The function of the outer liner is to limit the oxygen permeation rate through the tubing wall in accordance with DIN 4726 which helps protect ferrous elements in the system from corrosion. OXYPERT® tubing is made to CTS (Copper Tube Size) outside dimensions and an SDR (Standard Dimension Ratio) of 9 and is available in nominal sizes 1/2" and 3/4". It is available in coils up to 1,000 feet which are foot marked.

OXYPERT® tubing is not rated for potable water distribution.

Technical Data

Material:

PE-RT (Polyethylene of raised temperature) with EVOH oxygen outer barrier liner.

Continuous working pressure:

690 kPa (100 PSI) @ 82°C (180° F)

1100 kPa (160 PSI) @ 23°C (73° F)

Standards

ASTM F2623; DIN 4726

Compatible fittings:

ASTM F1807; ASTM F2159

Listings

NSF 14; cNSF®us rfh U.M. Code

