

AquaHeat PEX-B Heating Pipe

AquaHeat

| | | | |
|------------|--|----------------|------|
| JOB | | REPRESENTATIVE | |
| ENGINEER | | ORDER # | DATE |
| CONTRACTOR | | SUBMITTED BY | DATE |
| PAGE # | | APPROVED BY | DATE |

| Qty/Length | Part # | Pipe OD | SDR | Comments |
|------------|--------|---------|-----|----------|
| | | | 9 | |
| | | | 9 | |

Red PEX-B Heating Pipe with O₂ Diffusion Barrier

AquaHeat Pex-B pipes are manufactured from special HDPE resins. The cross-linking is performed in a state of the art Silane accelerator post extrusion resulting in an excellent and even cross-linking. The cross-linking renders the pipe improved mechanical process such as resistance to corrosion, pressures at high temperature, superb abrasion and chemical resistance. Product is coated with EVOH barrier which prevents oxygen from entering the system through the pipe wall. Products are manufactured in red color. AquaHeat Pex-B pipes can be used with the following ASTM fitting systems; F2159, F1807, F1960, and F2080. Twenty-five year manufacturers warranty applies.



| Technical Data | Value | Unit | Test Standard |
|---|----------------------------------|--|---------------|
| Density | 945 | kg/m ³ | ASTM F-876 |
| Impact Strength (at 20°C) (at 100°C) | No Failure No Failure | KJ/m ² KJ/m ² | DIN 53453 |
| Elongation at break (at 20°C) (at 100°C) | 350-550 500-700 | % | DIN 53455 |
| Tensile Strength (at 20°) (at 100°C) | 23-26 9-13 | N/mm ² N/mm ² | DIN 53455 |
| Max. Op. Temperature | 203°F @ 90 PSI (95°C @ 6 bar) | | |
| Pressure Tested | 290 PSI (20bar) | | |

| Manufacturing Standards | |
|-------------------------|-----------------|
| ASTM | F-876/F877 |
| ASTM | E-84 |
| CSA | B137.5/LM101713 |
| DIN | 4726/9 |
| IAPMO | C |
| ICBO | ES ER-5258 |
| NSF | 61 / RFH / 14 |

| Description | Nominal Size | Average OD | Minum Wall Thickness | Weight lbs/ft | Capacity Gal/ft | Bend Radius |
|---|--------------|------------|----------------------|---------------|-----------------|-------------|
| 93312 Red PEX-B With O ₂ Diffusion Barrier | 3/8" | 0.500 | 0.070" | 0.05 | 0.0050 | 2.50" |
| 93112 Red PEX-B With O ₂ Diffusion Barrier | 3/8" | 0.500 | 0.070" | 0.05 | 0.0050 | 2.50" |
| 93205 Red PEX-B With O ₂ Diffusion Barrier | 1/2" | 0.625 | 0.070" | 0.06 | 0.0098 | 3.25" |
| 93005 Red PEX-B With O ₂ Diffusion Barrier | 1/2" | 0.625 | 0.070" | 0.06 | 0.0098 | 3.25" |
| 93305 Red PEX-B With O ₂ Diffusion Barrier | 1/2" | 0.625 | 0.070" | 0.06 | 0.0098 | 3.25" |
| 93105 Red PEX-B With O ₂ Diffusion Barrier | 1/2" | 0.625 | 0.070" | 0.06 | 0.0098 | 3.25" |
| 93419 Red PEX-B With O ₂ Diffusion Barrier | 5/8" | 0.725 | 0.083" | 0.08 | 0.0134 | 3.75" |
| 93119 Red PEX-B With O ₂ Diffusion Barrier | 5/8" | 0.625 | 0.083" | 0.08 | 0.0134 | 3.75" |
| 93222 Red PEX-B With O ₂ Diffusion Barrier | 3/4" | 0.875 | 0.097" | 0.10 | 0.0189 | 4.50" |
| 93102 Red PEX-B With O ₂ Diffusion Barrier | 3/4" | 0.875 | 0.097" | 0.10 | 0.0189 | 4.50" |
| 93322 Red PEX-B With O ₂ Diffusion Barrier | 3/4" | 0.875 | 0.097" | 0.10 | 0.0189 | 4.50" |
| 93522 Red PEX-B With O ₂ Diffusion Barrier | 3/4" | 0.875 | 0.097" | 0.10 | 0.0189 | 4.50" |
| 93122 Red PEX-B With O ₂ Diffusion Barrier | 3/4" | 0.875 | 0.097" | 0.10 | 0.0189 | 4.50" |
| 93228 Red PEX-A With O ₂ Diffusion Barrier | 1" | 1.125 | 0.125" | 0.17 | 0.0316 | 5.75" |
| 93128 Red PEX-A With O ₂ Diffusion Barrier | 1" | 1.125 | 0.125" | 0.17 | 0.0316 | 5.75" |
| 93328 Red PEX-A With O ₂ Diffusion Barrier | 1" | 1.125 | 0.125" | 0.17 | 0.0316 | 5.75" |