

AquaHeat PEX-A Large Diameter Heating Pipe **AquaHeat**

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

| Qty/Length | Part # | Pipe OD | SDR | Comments |
|------------|--------|---------|-----|----------|
| | | | 11 | |
| | | | 11 | |

Natural PEX-A Large Diameter Heating Pipe with O₂ Diffusion Barrier

The AquaHeat Pex-A pipes are produced from special HMW-HDPE resins. The crosslinking is performed (peroxide method) during the production process, resulting in irreversible cross-links between adjacent P.E. chains. The crosslinking process renders the pipe improved mechanical process such as; resistance to corrosion and pressure at high temperature, exceptional high abrasion and superb chemical resistance, and excellent longevity at high temperatures. Product is coated with oxygen diffusion barrier which prevents oxygen from entering the heating system through the pipe wall. Covered by a twenty-five year manufacturers warranty.



| Technical Data | Value | Unit | Test Standard |
|---|---|--|---------------|
| Density | 938 | 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) | 20-26 9-13 | N/mm ² N/mm ² | DIN 53455 |
| Pressure Temperature Characteristics | 203°F @ 87 PSI (95°C @ 6 bar) 68°F @ 217.5 PSI (20°C @ 15 bar) | | |
| Pressure Tested | 290 PSI (20bar) | | |

| Manufacturing Standards | |
|-------------------------|-----------------|
| ASTM | F-876/F-877 |
| ASTM | E-84 |
| CSA | B137.5/LM101713 |
| DIN | 4726/9 |
| IAPMO | C |
| ICBO | ES ER-5258 |
| NSF | 61 |

| Description | OD mm | OD in | SDR | Part # | Weight lbs/ft | Wall Thickness in | Length/ft |
|--|-------|--------|-----|--------|---------------|-------------------|-----------|
| PEX-A Pipe with O ₂ Diffusion Barrier (*) | 40 | 1-1/4" | 11 | 94040 | .282 | .146 | 1 |
| PEX-A Pipe with O ₂ Diffusion Barrier (*) | 50 | 1-1/2" | 11 | 94050 | .437 | .181 | 1 |
| PEX-A Pipe with O ₂ Diffusion Barrier (*) | 63 | 2" | 11 | 94063 | .692 | .228 | 1 |
| PEX-A Pipe with O ₂ Diffusion Barrier (*) | 90 | 3" | 11 | 94090 | 1.49 | .323 | 1 |
| PEX-A Pipe with O ₂ Diffusion Barrier (*) | 110 | 4" | 11 | 94110 | 2.09 | .394 | 1 |

(*) Sold per foot, please specify length