

AquaHeat PEX-A Heating Pipe

AquaHeat

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

Qty/Length	Part #	Pipe OD	SDR	Comments
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			9	

Natural PEX-A 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
Max. Op. Temperature	203°F @ 90 PSI (95°C @ 6 bar)		
Pressure Tested	290 PSI (20bar)		

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

Minimum Bending Radii (@ 68°F/20°C)	
3/8"	2 1/4" (57mm)
1/2"	3" (77mm)
5/8"	3 3/4" (95mm)
3/4"	4 1/2" (115mm)
1"	6" (153mm)

Description	OD	SDR	Part #	Coil Length
Natural PEX-A With O ₂ Diffusion Barrier	3/8"	9	94312	300
Natural PEX-A With O ₂ Diffusion Barrier	3/8"	9	94112	1000
Natural PEX-A With O ₂ Diffusion Barrier	1/2"	9	94305	300
Natural PEX-A With O ₂ Diffusion Barrier	1/2"	9	94505	500
Natural PEX-A With O ₂ Diffusion Barrier	1/2"	9	94105	1000
Natural PEX-A With O ₂ Diffusion Barrier	5/8"	9	94419	450
Natural PEX-A With O ₂ Diffusion Barrier	5/8"	9	94119	1000
Natural PEX-A With O ₂ Diffusion Barrier	3/4"	9	94522	500
Natural PEX-A With O ₂ Diffusion Barrier	3/4"	9	94122	1000
Natural PEX-A With O ₂ Diffusion Barrier	1"	9	94128	100
Natural PEX-A With O ₂ Diffusion Barrier	1"	9	94528	500