

## 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 O<sub>2</sub> 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. Thirty year manufacturers warranty applies.



Technical Data	Value	Unit	Test Standard
Density	945	kg/m <sup>3</sup>	ASTM F-876
Impact Strength (at 20°C) (at 100°C)	No Failure No Failure	KJ/m <sup>2</sup> KJ/m <sup>2</sup>	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 <sup>2</sup> N/mm <sup>2</sup>	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 <sub>2</sub> Diffusion Barrier	3/8"	0.500	0.070"	0.05	0.0050	2.50"
93112 Red PEX-B With O <sub>2</sub> Diffusion Barrier	3/8"	0.500	0.070"	0.05	0.0050	2.50"
93205 Red PEX-B With O <sub>2</sub> Diffusion Barrier	1/2"	0.625	0.070"	0.06	0.0098	3.25"
93005 Red PEX-B With O <sub>2</sub> Diffusion Barrier	1/2"	0.625	0.070"	0.06	0.0098	3.25"
93305 Red PEX-B With O <sub>2</sub> Diffusion Barrier	1/2"	0.625	0.070"	0.06	0.0098	3.25"
93105 Red PEX-B With O <sub>2</sub> Diffusion Barrier	1/2"	0.625	0.070"	0.06	0.0098	3.25"
93419 Red PEX-B With O <sub>2</sub> Diffusion Barrier	5/8"	0.725	0.083"	0.08	0.0134	3.75"
93119 Red PEX-B With O <sub>2</sub> Diffusion Barrier	5/8"	0.725	0.083"	0.08	0.0134	3.75"
93519 Red PEX-B With O <sub>2</sub> Diffusion Barrier	5/8"	0.725	0.083"	0.08	0.0134	3.75"
93222 Red PEX-B With O <sub>2</sub> Diffusion Barrier	3/4"	0.875	0.097"	0.10	0.0189	4.50"
93102 Red PEX-B With O <sub>2</sub> Diffusion Barrier	3/4"	0.875	0.097"	0.10	0.0189	4.50"
93322 Red PEX-B With O <sub>2</sub> Diffusion Barrier	3/4"	0.875	0.097"	0.10	0.0189	4.50"
93522 Red PEX-B With O <sub>2</sub> Diffusion Barrier	3/4"	0.875	0.097"	0.10	0.0189	4.50"
93122 Red PEX-B With O <sub>2</sub> Diffusion Barrier	3/4"	0.875	0.097"	0.10	0.0189	4.50"
93228 Red PEX-A With O <sub>2</sub> Diffusion Barrier	1"	1.125	0.125"	0.17	0.0316	5.75"
93128 Red PEX-A With O <sub>2</sub> Diffusion Barrier	1"	1.125	0.125"	0.17	0.0316	5.75"
93328 Red PEX-A With O <sub>2</sub> Diffusion Barrier	1"	1.125	0.125"	0.17	0.0316	5.75"