

SUBMITTAL SHEET

Project Information

Job Name:

Location:

Engineer:

Contractor:

P.O. Number:

Representative:

COIL TUBING

Model	ID	Size
S3312300-H-PEXA	.3531082	1/2" x 300'
S3312500-H-PEXA	.3531083	1/2" x 500'
S33121000-H-PEXA	.3531084	1/2" x 1000'
S3358300-H-PEXA	.3531086	5/8" x 300'
S3358500-H-PEXA	.3531087	5/8" x 500'
S33581000-H-PEXA	.3531088	5/8" x 1000'
S3334100-H-PEXA	.3531089	3/4" x 100'
S3334300-H-PEXA	.3531090	3/4" x 300'
S3334500-H-PEXA	.3531091	3/4" x 500'
S33341000-H-PEXA	.3531092	3/4" x 1000'
S331100-H-PEXA	.3531093	1" x 100'
S331300-H-PEXA	.3531094	1" x 300'
S33114100-H-PEXA	.3531096	1-1/4" x 100'
S33112300-H-PEXA	.3531099	1-1/2" x 300'

STRAIGHT LENGTH TUBING

Model	ID	Size
S333420-H-PEXA	.3531102	3/4" x 20'
S33120-H-PEXA	.3531103	1" x 20'
S3311420-H-PEXA	.3531104	1-1/4" x 20'
S3311220-H-PEXA	.3531105	1-1/2" x 20'

FEATURES

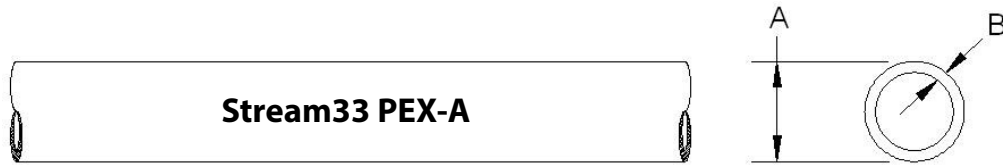
- Oxygen barrier pipe has a co-extruded oxygen diffusion barrier that exceeds the strict requirements of DIN 4726
- UV resistant for reliable installations (3206)
- Approved for Radiant Heating & Potable Water applications
- Durable pipe to withstand job site conditions
- Efficient to install; long coils reduce waste
- No flame, glues, or fumes required to install
- Lightweight and compact for shipping, hauling, and hanging
- Resists kinking, even below freezing temperatures
- Made in America
- 160 PSI at 73.4° F
- 100 PSI at 180° F
- Meets or exceeds the following:
 - ASTM F876/F877/F2023
 - CSA B137.5
 - PPI TR-3
 - NSF 14/61
 - F1960



PMG-1711 NSF-61-G

WARRANTY

25-Year warranty. Visit stream33.com for details.



Nominal Pipe Size	Average OD "A" in (mm)	Minimum Wall Thickness "B" in (mm)	Weight lb/ft (kg/m)	Capacity gal/ft (l/m)
1/2"	0.625 (15.88)	0.070 (1.78)	0.06 (0.08)	0.0098 (0.1222)
5/8"	0.750 (19.05)	0.083 (2.12)	0.08 (0.11)	0.0134 (0.1671)
3/4"	0.875 (22.22)	0.097 (2.47)	0.10 (0.15)	0.0189 (0.2356)
1"	1.125 (28.58)	0.125 (3.18)	0.17 (0.26)	0.0316 (0.3939)
1-1/4"	1.375 (34.92)	0.153 (3.88)	0.25 (0.37)	0.0467 (0.5827)
1-1/2"	1.625 (41.28)	0.181 (4.59)	0.35 (0.52)	0.0650 (0.8118)

Specification	English	SI	Standard
Min. Density	58 lb/ft ³	926 kg/m ³	ASTM F876
Min. Degree of Crosslinking	70%	70%	ASTM F876
Max. Thermal Conductivity	2.84 Btu in/(ft ² ° F hr)	0.41 W/(m°K)	DIN 16892
Coefficient of Linear Expansion	9.33 x 10 ⁻⁴ in/ft° F @ 68° F 1.33 x 10 ⁻³ in/ft° F @ 212° F	0.14 mm/(m°C) @ 20° C 0.2 mm/(m°C) @ 100° C	Mean @ 20-70° C per DIN 16892
IZOD Impact Res.	No Break	No Break	-
Modulus of Elasticity	87,000-130,500 PSI @ 68° F 43,500-58,000 PSI @ 176° F	600-900 N/mm ² @ 20° C 300-400 N/mm ² @ 80° C	Min. @ 20° C per DIN 16892

Specification	English	SI	Standard
Tensile Strength	4194-4355 PSI @ 68° F 2,610-2,900 PSI @ 176° F per ASTM D638	26-30 N/mm ² @ 20° C 18-20 N/mm ² @ 80° C per ASTM D638	-
Roughness	e=0.00028 in	e=0.007 mm	-
Temperature Working Range	-40 to 200° F	-40 to 93° C	-
O ₂ Permeability	-	<=0.32 mg/m ² /day @ 40° C	DIN 4726
Max. Short-term Exposure	150 PSIG @ 210° F (48 hr)	1035 kPa @ 99° C (48 hr)	ASTM 876
UV Resistance	Class 2 – minimum of 3 months UV Resistance		ASTM F2657

FUNCTIONAL DESCRIPTION

Stream33 PEX-A O₂ Barrier Pipe is manufactured using the high-pressure peroxide method for crosslinked polyethylene (PEX-A). Stream33 Pipe meets or exceeds the requirements of ASTM F876, F877, NSF 61, CSA B137.5 and PPI TR-3. Stream33 PEX-A O₂ Barrier Pipe is SDR9, red in color and for use with Stream33 F1960 Cold Expansion Fitting System certified to ASTM F1960, and Stream33 Compression Nut Fittings. Stream33 PEX-A O₂ Barrier Pipe has a co-extruded oxygen diffusion barrier that exceeds the strict requirements of DIN 4726. Stream33 Pipe is manufactured using a quality management system which has been certified to the latest version of ISO 9001.

LONG TERM STRENGTH

The maximum temperature and pressure ratings of the Stream33 Pipe are in accordance to ASTM F876, CSA B137.5 and PPI TR-3. The designer shall determine the actual conditions and apply the appropriate and additional design factors as required for any particular project. The temperature and pressure ratings apply to the application of Stream33 Pipe for conveying heating and cooling water at the 2.0 safety factor on allowable working pressure according to ASTM and CSA. According to Stream33's Limited Warranty, the Stream33 Pipe warranty period of 25 years is for operating conditions at or below 180° F (82.2° C) in permitted applications when the handling, use, installation, and maintenance continually complies with all Stream33 technical guidelines.

Maximum Pressure & Temperatures	Design Factors
160 PSI @ 73.4° F (1055 kPa @ 23° C)	0.50 (per ASTM F876, CSA B137.5)
100 PSI @ 180° F (690 kPa @ 82.2° C)	0.50 (per ASTM F876, CSA B137.5)
80 PSI @ 200° F (550 kPa @ 93.3° C)	0.50 (per ASTM F876, CSA B137.5)

* Stream33 defines Elevated Temperature Applications as those with operating conditions greater than 180° F (82.2° C). When Stream33 PEX-A O₂ Barrier Pipes are planned to be operated in Elevated Temperature Applications, contact Stream33 to verify your project conditions comply with the Stream33 PEX-A O₂ Barrier Pipe Limited Warranty.