



SUBMITTAL SHEET

PROJECT INFORMATION

Job Name:

Location:

Engineer:

Contractor:

P.O. Number:

Representative:

COIL TUBING

Model	ID No.	Size	Color
S3312100W-PEXA	.3503552	1/2" x 100'	White
S3312100R-PEXA	.3503553	1/2" x 100'	Red
S3312100B-PEXA	.3503554	1/2" x 100'	Blue
S3334100W-PEXA	.3503555	3/4" x 100'	White
S3334100R-PEXA	.3503556	3/4" x 100'	Red
S3334100B-PEXA	.3503557	3/4" x 100'	Blue
S331100W-PEXA	.3503558	1" x 100'	White
S331100R-PEXA	.3503559	1" x 100'	Red
S331100B-PEXA	.3503560	1" x 100'	Blue
S33114100W-PEXA	.3503561	1-1/4" x 100'	White
S33112100W-PEXA	.3503562	1-1/2" x 100'	White
S3312300W-PEXA	.3503563	1/2" x 300'	White
S3312300R-PEXA	.3503564	1/2" x 300'	Red
S3312300B-PEXA	.3503565	1/2" x 300'	Blue
S3334300W-PEXA	.3503566	3/4" x 300'	White
S3334300R-PEXA	.3503567	3/4" x 300'	Red
S3334300B-PEXA	.3503568	3/4" x 300'	Blue
S331300W-PEXA	.3503569	1" x 300'	White
S331300R-PEXA	.3503570	1" x 300'	Red
S33114300W-PEXA	.3503571	1-1/4" x 300'	White
S33112300W-PEXA	.3503572	1-1/2" x 300'	White
S3312500R-PEXA	.3557643	1/2" x 500'	Red
S3312500B-PEXA	.3557645	1/2" x 500'	Blue
S3334500W-PEXA	.3503573	3/4" x 500'	White
S3334500R-PEXA	.3503574	3/4" x 500'	Red
S3334500B-PEXA	.3503575	3/4" x 500'	Blue
S33121000W-PEXA	.3503577	1/2" x 1000'	White
S33121000R-PEXA	.3503578	1/2" x 1000'	Red
S33121000B-PEXA	.3503579	1/2" x 1000'	Blue

FEATURES

- Best-in-class UV resistance for reliable installations (3306)
- 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

OPERATING SPECIFICATIONS

- 160 PSI AT 73.4°F
- 100 PSI AT 180°F

APPROVALS

- ASTM F876/F877/F2023
- CSA B137.5
- PPI TR-3
- NSF 14/61

STRAIGHT LENGTH TUBING

Model	ID No.	Size	Color
S331220W-PEXA	.3503540	1/2" x 20'	White
S331220R-PEXA	.3503541	1/2" x 20'	Red
S331220B-PEXA	.3503542	1/2" x 20'	Blue
S333420W-PEXA	.3503543	3/4" x 20'	White
S333420R-PEXA	.3503544	3/4" x 20'	Red
S333420B-PEXA	.3503545	3/4" x 20'	Blue
S33120W-PEXA	.3503546	1" x 20'	White
S33120R-PEXA	.3503547	1" x 20'	Red
S33120B-PEXA	.3503548	1" x 20'	Blue
S3311420W-PEXA	.3503549	1-1/4" x 20'	White
S3311220W-PEXA	.3503550	1-1/2" x 20'	White
S33220W-PEXA	.3503551	2" x 20'	White



Nominal Pipe Size in	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)
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)
2	2.125 (53.98)	0.236 (6.00)	0.60 (0.90)	0.1114 (1.3906)

Specification	English	SI	Standard
Minimum 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 ² 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 0.2mm/(m°C) @ 100°C	Mean @ 20-70°C per DIN 16892
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	Minimum @ 20°C per DIN 16892

Specification	English	SI	Standard
Tensile Strength	4194-4355 psi @ 68°F 2610-2900 psi @ 176°F per ASTM D638	26-30 N/mm ² @ 20°C 18-20 N/mm ² @ 80°C per ASTM D638	-
IZOD Impact Resistance	No Break	No Break	-
Roughness	e=0.00028 in	e=0.007 mm	-
Temperature Working Range	-40 to 200°F	-40 to 93°C	-
Max. Short-term Exposure	150 psig @ 210°F (48 hr)	1035 kPa @ 99°C (48 hr)	ASTM F876
UV Resistance	Class 3 – minimum of 6 months UV Resistance		ASTM F876

FUNCTIONAL DESCRIPTION

Stream33 PEX-A Pipe is produced using the high-pressure peroxide method for crosslinked polyethylene (PEX-A) in accordance with ASTM F876, F877, CSA B137.5 and PPI TR-3, and is certified to NSF 14/61 standards. Stream33 PEX-A Pipe also meets the requirements of ASTM F2023 for chlorine resistance. Stream33 PEX-A 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 PEX-A 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 PEX-A Pipe for conveying heating and cooling water at the 2.0 safety factor on allowable working pressure according to ASTM and CSA. According to the Stream33 PEX-A Pipe 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 and 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 Pipes are planned to be operated in Elevated Temperature Applications, contact Stream33 to verify your project conditions comply with the Stream33 PEX-A Pipe Limited Warranty.

Although ASTM F876 only categorizes up to 6 months of UV resistance at this time, Stream33 PEX-A Pipe has been tested and certified according to ASTM F2657 for a maximum exposure time of one year accumulated.:

0= Not tested or rated

1= 1 Month UV resistance

2= 3 Months UV resistance

3= 6 Months (or greater) UV resistance

- **Stream33 PEX-A Pipe:** Maximum exposure time of one year accumulated (3306)

In addition to the inherent UV resistance of Stream33 PEX-A pipes, Stream33 PEX-A pipes are shipped in cardboard boxes or opaque plastic bags that offer extra protection. Stream33 PEX-A pipes must be kept in the original packaging until time of installation. Stream33 PEX-A pipes must not be stored outdoors and are not designed for permanent outdoor exposure (with the exception of non-exposed buried applications).

FITTING COMPATIBILITY

For potable water applications, ensure that the fitting system is certified to NSF/ANSI 61 and complies with the lead-free requirements of the U.S Safe Drinking Water Act.

Stream33 PEX-A pipe has been tested and found to be compatible with the following fitting systems:

ASTM F1960 cold expansion pex ring fittings

ASTM F1807 metal insert crimp fittings

ASTM F2159 plastic insert crimp fittings

ASTM F2080 cold expansion metal sleeve fittings

ASTM F3347 metal insert press sleeve fittings

ASTM F3348 metal insert press sleeve fittings

ASSE 1061 push-fit fittings