

TYPE-A PEX TUBE

664 & 665 SERIES

PowerPEX®

SPECIFICATION

Sioux Chief PowerPEX® Type-A tube shall be used in hot and cold potable water distribution or for approved non-potable system applications. Tube shall be SDR-9, and made in accordance with the ASTM F876 and ASTM F877 standards, for use with ASTM approved connection systems.

MATERIALS

Cross-linked polyethylene - Engle Process

APPROVED APPLICATIONS

Plumbing, Radiant Heat, Fire Suppression, Geothermal, Water Reclamation, Turf Conditioning, Irrigation

APPROVED FITTING SYSTEMS

ASTM F1807 / ASTM F2080 / ASTM F1960 / ASTM F2159 / ASSE 1061

REQUIREMENTS PER ASTM F876

Tubing conforms to ID/OD and wall thickness tolerances, hydrostatic sustained pressure, burst pressure, density, % cross-linking, material, out-of-roundness, workmanship, pressure @ hydrostatic designed stress, stress-corrosion cracking resistance, bent strength, oxidative stability, excessive temperature and pressure capacity, pipe dimensional ratio, chlorine resistance and UV resistance.

PRESSURE DROP @ 8 FPS

1/2"	(0.208 factor @ 4 GPM × ft)	1-1/4"	(0.199 factor @ 24 GPM × ft)
5/8"	(0.189 factor @ 5.5 GPM × ft)	1-1/2"	(0.08 factor @ 16 GPM × ft)
3/4"	(0.174 factor @ 9 GPM × ft)	2"	(0.37 factor @ 34 GPM × ft)
1"	(0.148 factor @ 16 GPM × ft)		

DIMENSIONS

Size	1/2"	5/8"	3/4"	1"	1-1/4"	1-1/2"	2"
Outer diameter ¹	0.625"	0.75"	0.875"	1.125"	1.375"	1.625"	2.125"
Wall thickness ¹	0.070"	0.90"	0.097"	0.125"	0.15"	0.181"	0.236"
Inner diameter ²	0.485"	0.57"	0.681"	0.875"	1.069"	1.263"	1.653"
Coil inner diameter	18"	17"	18"	24"	n/a	n/a	n/a

1: Per ASTM F876 | 2: Calculated

TUBE PRINT STREAM (EXAMPLE)

SIoux CHIEF POWERPEX-A SDR 9 PEX 1/2" CTS 5106 CNSFUS-PW-G U.P. CODE CSA B137.5
ASTM F876/F877 (FITTINGS: F1807/F2159/F1960/F2080/ASSE 1061) 80PSI@200°F /
100PSI@180°F / 160PSI@73°F MADE IN THE USA (DATE) (TIME STAMP) SHIFT(A,B,C)-LINE-3-C2

ITEM # SUBMITTED	_____
JOB NAME	_____
LOCATION	_____
ENGINEER	_____
CONTRACTOR	_____
PO#	_____ TAG _____



CHLORINE/UV RESISTANCE

5106 (non-barrier), 3106 (barrier)

LISTINGS

NSF-14, NSF-61, cNSFus-PW
ASTM F876 / F877, IAPMO/cUPC
ASTM F1807 / F2080 / F2159 / F1960



Create Item Number

ABCD

e.g. **665XA2W100**: PowerPEX Type-A PEX tube, 1/2", White, 100-ft coil.

COIL OR STICKS A

664XA = Sticks

665XA = Coil

NOM. TUBE SIZE B

2 = 1/2"

5 = 1-1/4"

9 = 5/8"

6 = 1-1/2"

3 = 3/4"

7 = 2"

4 = 1"

COLOR C

R = Red

W = White

B = Blue

H = Red³

LENGTH D

5M = 5-ft sticks

10 = 10-ft sticks

20 = 20-ft sticks

25 = 25-ft coil

100 = 100-ft coil

300 = 300-ft coil

500 = 500-ft coil

1000 = 1000-ft coil

3 The 'H' designation indicates oxygen-barrier tube. All oxygen-barrier tube is Red color.

Note: Not all option combinations are available - please check our website or current catalog for product availability