# 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 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"	$(0.174 \text{ factor } @ 9 \text{ GPM} \times \text{ft})$	2"	(0.37 factor @ 34 GPM × ft)
1"	(0.148 factor @ 16 GPM × ft)		

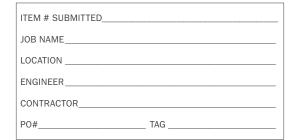
#### **DIMENSIONS**

Size	1/2"	5/8"	3/4"	1"	1-1/4"	1-1/2"	2"
Outer diameter <sup>1</sup>	0.625"	0.75"	0.875"	1.125"	1.375"	1.625"	2.125"
Wall thickness <sup>1</sup>	0.070"	0.90"	0.097"	0.125"	0.15"	0.181"	0.236"
Inner diameter <sup>2</sup>	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/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





# CHLORINE/UV RESISTANCE

5106 (non-barrier), 3106 (barrier)

#### **LISTINGS**

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





09-25

# **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 <u>B</u>		COLOR <u>C</u>	LENGTH <u>D</u>		
<b>2</b> = 1/2"	<b>5</b> = 1-1/4"	$\mathbf{R} = Red$	<b>5M</b> = 5-ft sticks	<b>100</b> = 100-ft coil	
<b>9</b> = 5/8"	<b>6</b> = 1-1/2"	W = White	<b>10</b> = 10-ft sticks	<b>300</b> = 300-ft coil	
<b>3</b> = 3/4"	<b>7</b> = 2"	<b>B</b> = Blue	<b>20</b> = 20-ft sticks	<b>500</b> = 500-ft coil	
4 = 1"		$\mathbf{H} = \text{Red}^3$	<b>25</b> = 25-ft coil	<b>1000</b> = 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

