

Focused on delivering superior products at a high value.



The Teel BQ UV Protection Composite PP-RCT piping system is designed to provide protection from harmful UV rays when needed. Coated in a black PP-RCT UV cover, available from 1/2" (20mm) through 18" (450mm). Pressure rating: 280 PSI at 68°F, 100 PSI at 180°F. Listings and certificates: ASTM F2389, NSF/ANSI-14, NSF-61, CSA B137.11, ICC-ES.



## Advantages of TeelBQ Composite Piping

- 100% Recyclable
- High Resistance to Chemicals
- High Pressure Tolerances and Ratings
- High Flow Rates
- Noise Reduction
- Light Weight
- Speed and Ease of Fusion Technology
- Rust and Corrosion Resistant

DESCRIPTION	SDR	PART NUMBER	NOM. O.D. - O.D.	
1/2" (20mm) x 19 feet	7.4	T02074U	1/2"	20 x 2.8mm
3/4" (25mm) x 19 feet	7.4	T02574U	3/4"	25 x 3.5mm
1" (32mm) x 19 feet	9	T03209U	1"	32 x 3.6mm
1 1/4" (40mm) x 19 feet	11	T04011U	1 1/4"	40 x 3.7mm
1 1/2" (50mm) x 19 feet	11	T05011U	1 1/2"	50 x 4.6mm
2" (63mm) x 19 feet	11	T06311U	2"	63 x 5.8mm
2 1/2" (75mm) x 19 feet	11	T07511U	2 1/2"	75 x 6.8mm
3" (90mm) x 19 feet	11	T09011U	3"	90 x 8.2mm
3 1/2" (110mm) x 19 feet	11	T11011U	3 1/2"	110 x 10.0mm
4" (125mm) x 19 feet	11	T12511U	4"	125 x 11.4mm
6" (160mm) x 19 feet	11	T16011U	6"	160 x 14.6mm
8" (200mm) x 19 feet	11	T20011U	8"	200 x 18.2mm
10" (250mm) x 19 feet	11	T25011U	10"	250 x 22.7mm
12" (315mm) x 19 feet	11	T31511U	12"	315 x 28.6mm
14" (355mm) x 19 feet	11	T35511U	14"	355 x 32.2mm
16" (400mm) x 19 feet	11	T40011U	16"	400 x 36.3mm
18" (450mm) x 19 feet	11	T45011U	18"	450 x 40.9mm

Contact us today for more information.

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# UV Protection Composite PP-RCT Pipe

Teel BQ UV Protection Composite PP-RCT pipes consists of 3 layers, with 20% glass fiber / PP-RCT, sandwiched between PP-RCT on the inner layer and on the surface layer i.e., PP-RCT/GF/PP-RCT. Composite pipes have a lower thermal expansion co-efficient when transporting hot fluids. The Teel BQ UV Protection Composite pipe is ideal for potable water, hot water, chilled water and process water applications.



NOMINAL OD	METRIC OD (mm)	SDR 7.4 (gpm)	SDR 9 (gpm)	SDR 11 (gpm)	SDR 17.6 (gpm)
1/2"	20	6.3	7.2		
3/4"	25	9.8	11.4		
1"	32	16.3	18.7	20.8	
1-1/4"	40	25.5	29.2	32.3	
1-1/2"	50	39.8	45.7	50.5	
2"	63	63.7	72.3	80.2	
2-1/2"	75	89.8	102.8	114.4	
3"	90	129.8	147.8	164.4	
3-1/2"	110	193.3	221.3	245.9	
4"	125	250.3	285.5	317.0	372.5
6"	160	409.8	468.0	519.3	610.0
8"	200	639.6	730.8	812.0	952.7
10"	250	1000.6	1144.2	1270.0	1489.9
12"	315	1588.3		2016.4	2365.0
14"	355	2019.5		2562.1	3006.6
16"	400			3252.1	3814.9
18"	450			4113.2	4830.1
20"	500				5959.5
22"	560				7482.1
24"	630				9467.0

\* Flow Rates, based on a velocity of 8 feet per second.

PIPE	LENGTH	10°F	20°F	30°F	40°F	50°F	60°F	80°F	100°F
Linear expansion co-efficient for TeelBQ Mono pipe is: 0.150mm / mK = 1.008 x 10.3" / ft °F									
Mono	10'	0.1"	0.2"	0.3"	0.4"	0.5"	0.6"	0.8"	1.0"
Mono	30'	0.3"	0.6"	0.9"	1.2"	1.5"	1.8"	2.4"	3.0"
Mono	100'	1.0"	2.0"	3.0"	4.0"	5.0"	6.0"	8.0"	10.0"
Linear expansion co-efficient for TeelBQ Composite pipe is: 0.0350mm / mK = 2.367 x 10.4" / ft °F									
Composite	10'	0.0"	0.0"	0.1"	0.1"	0.1"	0.1"	0.2"	0.2"
Composite	30'	0.1"	0.1"	0.2"	0.3"	0.3"	0.4"	0.5"	0.7"
Composite	100'	0.2"	0.5"	0.7"	0.9"	1.1"	1.4"	1.8"	2.3"

\* Temperature in chart represents the difference between operating temperature - room temperature.