


Teel BQ Composite PP-RCT Pipe consists of 3 layers, with 20% glass fiber / PP-RCT, sandwiched between PP-RCT material in 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, and can be used in chilled and hot water recirculations systems, process water applications, compressed air/gas, hydrocarbons and potable water applications.

SUBMITTAL

	MANUFACTURING STANDARDS		
	ASTM F-2389, NSF/ANSI-14, NSF-61, CSA B137.11, ICC-ES		
Job		Representative	Date
Page #		Order #	
Engineer		Submitted By	
Contractor		Approved By	
SDR	7.4, 9, 11	Comments	
Part #			
Pipe O.D.			
Qty / Length			

PART #	SDR	DIMENSION NOM ID / OD	DIAMETER (mm)	WALL THICKNESS (mm)	INTERNAL DIAMETER (mm)	WATER CAPACITY (gal / ft)	FLOW RATE (8 ft/second)	WEIGHT DRY (lb/ft)
BQ0202820FC	7.4	1/2" - 20mm	20	2.8	14.4	0.013	6.3 gpm	0.110
BQ0253520FC	7.4	3/4" - 25mm	25	3.5	18.0	0.020	9.8 gpm	0.170
BQ03203620FC	9	1" - 32mm	32	3.6	24.8	0.039	18.7 gpm	0.220
BQ04003720FC	11	1 1/4" - 40mm	40	3.7	32.6	0.067	32.3 gpm	0.290
BQ05004620FC	11	1 1/2" - 50mm	50	4.6	40.8	0.105	50.5 gpm	0.450
BQ06305820FC	11	2" - 63mm	63	5.8	51.4	0.167	80.2 gpm	0.720
BQ07506820FC	11	2 1/2" - 75mm	75	6.8	61.4	0.237	114.4 gpm	1.000
BQ09008220FC	11	3" - 90mm	90	8.2	73.6	0.343	164.4 gpm	1.440
BQ11010020FC	11	3 1/2" - 110mm	110	10.0	90.0	0.512	245.9 gpm	2.130
BQ12511420FC	11	4" - 125mm	125	11.4	102.2	0.661	316.9 gpm	2.770
BQ16014620FC	11	6" - 160mm	160	14.6	130.8	1.082	519.1 gpm	4.520
BQ20018220FC	11	8" - 200mm	200	18.2	163.6	1.693	812.0 gpm	7.040
BQ25022720FC	11	10" - 250mm	250	22.7	204.6	2.648	1270.0 gpm	10.95
BQ31528620FC	11	12" - 315mm	315	28.6	257.8	4.204	2016.4 gpm	17.26
BQ35532220FC	11	14" - 355mm	355	32.2	290.6	5.342	2562.1 gpm	21.91
BQ40036320FC	11	16" - 400mm	400	36.3	327.4	6.780	3252.1 gpm	27.82
BQ45040920FC	11	18" - 450mm	450	40.9	368.2	8.576	4113.2 gpm	35.21

Photographs of product shown in this publication are used for representational purposes only. All data and specifications are subject to change without notification.

Temperature		Pressure Rating (PSI)*					
Celsius	Fahrenheit	SDR 17.6	SDR 11	SDR 9	SDR 7.4	SDR 6	SDR 5
2	35	172	285	356	445	570	713
4	40	166	275	344	430	550	687
10	50	154	255	319	399	511	638
17	60	143	237	296	370	473	592
23	73	129	214	267	334	427	534
27	80	122	202	252	315	404	504
32	90	112	186	232	290	371	464
38	100	103	170	213	266	341	426
43	110	94	156	195	244	312	390
49	120	86	142	178	223	285	356
54	130	78	130	162	203	260	324
60	140	71	118	147	184	236	295
66	150	64	107	134	167	214	268
71	160	58	97	121	152	194	242
77	170	53	88	110	137	176	219
82	180	48	79	99	124	159	199
88	190	43	72	90	112	144	180
93	200	39	65	82	102	131	164

*Calculations based on ASTM F2389 X1.1.2. See TeelBQ's Borealis PP-RCT technical paper for more information (http://www.isco-pipe.com/workspace/uploads/pp-rct_new_material_class.pdf).