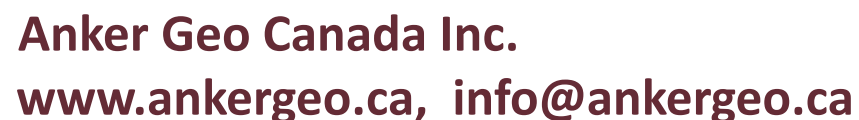


Kelowna, BC, Canada
Vaughan, ON, Canada

Mechanical Properties										
Diameter /mm	Cross-sectional area/mm²	Weight (kg/m)	PSB500				PSB670			
			Min Yield Stress/Load		Min Ultimate Stress/Load		Min Yield Stress/Load		Min Ultimate Stress/Load	
			Mpa	KN	Mpa	KN	Mpa	KN	Mpa	KN
15	177	1.4	<u>500</u>	89	<u>630</u>	112	<u>670</u>	119	<u>800</u>	142
20	314	2.47	<u>500</u>	157	<u>630</u>	198	<u>670</u>	210	<u>800</u>	251
25	491	4.1	<u>500</u>	246	<u>630</u>	309	<u>670</u>	329	<u>800</u>	393
28	616	5.1	<u>500</u>	308	<u>630</u>	388	<u>670</u>	413	<u>800</u>	493
32	804	6.65	<u>500</u>	402	<u>630</u>	507	<u>670</u>	539	<u>800</u>	643
36	1018	8.41	<u>500</u>	509	<u>630</u>	641	<u>670</u>	682	<u>800</u>	814
40	1257	10.34	<u>500</u>	629	<u>630</u>	792	<u>670</u>	842	<u>800</u>	1006
50	1963	16.28	<u>500</u>	982	<u>630</u>	1237	<u>670</u>	1315	<u>800</u>	1570
63.5	3167	26.5	<u>500</u>	1584	<u>630</u>	1995	<u>670</u>	2122	<u>800</u>	2534
75	4418	36.9	<u>500</u>	2209	<u>630</u>	2783	<u>670</u>	2960	<u>800</u>	3534
Elongation at fracture A/%			≥10				≥5			
Total Elongation at max force Agt/%			≥3.5							
Relaxation at 1000h			≤4							
Modulus of elasticity/Mpa			2x10 ⁵							



Kelowna, BC, Canada
Vaughan, ON, Canada

Mechanical Properties														
Diameter /mm	Cross-sectional area/mm²	Weight (kg/m)	PSB830				PSB930				PSB1080			
			Min Yield Stress/Load		Min Ultimate Stress/Load		Min Yield Stress/Load		Min Ultimate Stress/Load		Min Yield Stress/Load		Min Ultimate Stress/Load	
			Mpa	KN	Mpa	KN	Mpa	KN	Mpa	KN	Mpa	KN	Mpa	KN
15	177	1.4	<u>830</u>	147	<u>1030</u>	182	<u>930</u>	165	<u>1080</u>	191	<u>1080</u>	191	<u>1230</u>	218
20	314	2.47	<u>830</u>	261	<u>1030</u>	323	<u>930</u>	292	<u>1080</u>	339	<u>1080</u>	339	<u>1230</u>	386
25	491	4.1	<u>830</u>	408	<u>1030</u>	506	<u>930</u>	457	<u>1080</u>	530	<u>1080</u>	530	<u>1230</u>	604
28	616	5.1	<u>830</u>	511	<u>1030</u>	643	<u>930</u>	573	<u>1080</u>	665	<u>1080</u>	665	<u>1230</u>	758
32	804	6.65	<u>830</u>	667	<u>1030</u>	828	<u>930</u>	748	<u>1080</u>	868	<u>1080</u>	868	<u>1230</u>	989
36	1018	8.41	<u>830</u>	845	<u>1030</u>	1049	<u>930</u>	947	<u>1080</u>	1099	<u>1080</u>	1099	<u>1230</u>	1252
40	1257	10.34	<u>830</u>	1043	<u>1030</u>	1295	<u>930</u>	1169	<u>1080</u>	1358	<u>1080</u>	1358	<u>1230</u>	1546
50	1963	16.28	<u>830</u>	1629	<u>1030</u>	2022	<u>930</u>	1826	<u>1080</u>	2120	<u>1080</u>	2120	<u>1230</u>	2414
63.5	3167	26.5	<u>830</u>	2629	<u>1030</u>	3262	<u>930</u>	2945	<u>1080</u>	3420	<u>1080</u>	3420	<u>1230</u>	3895
75	4418	36.9	<u>830</u>	3667	<u>1030</u>	4551	<u>930</u>	4109	<u>1080</u>	4771	<u>1080</u>	4471	<u>1230</u>	5434
Elongation at fracture A/%			≥7				≥7				≥6			
Total Elongation at max force Agt/%			≥3.5											
Relaxation at 1000h			≤4											
Modulus of elasticity/Mpa			2x10 ⁵											