

Table 7b

Performance Properties
FLUSHMAX-II, III

Metric Unit

| | Pipe Body | | | Collapse | | | Internal yield pressure | | | Minimum Yield Load | | |
|--------------|------------------|----------------|----------------|----------|---------|-------|-------------------------|---------|-------|--------------------|---------|-------|
| | Outside Diameter | Nominal Weight | Wall Thickness | J55 K55 | L80 N80 | P110 | J55 K55 | L80 N80 | P110 | J55 K55 | L80 N80 | P110 |
| | mm | Kg/m | mm | MPa | MPa | MPa | MPa | MPa | MPa | ton | ton | ton |
| FLUSHMAX-II | 107.95 | 10.90 | 0.256 | 39.5 | 51.7 | 63.5 | 32.0 | 46.5 | 64.0 | 48.2 | 70.0 | 96.3 |
| | 114.30 | 10.50 | 0.224 | 27.7 | 34.0 | 38.3 | 26.4 | 38.4 | 52.9 | 45.1 | 65.6 | 90.2 |
| | | 11.60 | 0.250 | 34.1 | 43.8 | 52.3 | 29.5 | 42.9 | 59.0 | 50.0 | 72.8 | 100.1 |
| | | 12.60 | 0.271 | 39.4 | 51.7 | 63.5 | 32.0 | 46.5 | 64.0 | 54.0 | 78.5 | 108.0 |
| | | 13.50 | 0.290 | 44.3 | 58.9 | 73.7 | 34.2 | 49.8 | 68.4 | 57.5 | 83.6 | 115.0 |
| | | 15.10 | 0.337 | 52.6 | 76.5 | 99.0 | 40.0 | 57.9 | 79.3 | 66.1 | 96.1 | 132.2 |
| | 127.00 | 13.00 | 0.252 | 28.3 | 35.1 | 39.8 | 26.8 | 38.9 | 53.5 | 56.4 | 82.0 | 112.7 |
| | | 15.00 | 0.296 | 38.3 | 50.0 | 61.0 | 31.4 | 45.7 | 62.9 | 65.6 | 95.4 | 131.2 |
| | | 18.00 | 0.362 | 51.0 | 72.4 | 92.9 | 38.4 | 55.9 | 76.9 | 79.1 | 115.0 | 158.2 |
| | | 21.40 | 0.437 | 60.5 | 88.0 | 121.0 | 46.2 | 67.6 | 93.1 | 93.9 | 136.6 | 187.8 |
| | | 23.20 | 0.478 | 65.6 | 95.4 | 131.2 | 51.0 | 73.8 | 101.4 | 101.8 | 148.1 | 203.6 |
| | 139.70 | 14.00 | 0.244 | 21.5 | 25.0 | 29.2 | 23.6 | 34.3 | 47.1 | 60.4 | 87.9 | 120.8 |
| | | 15.50 | 0.275 | 27.9 | 34.4 | 38.8 | 26.6 | 38.6 | 53.1 | 67.7 | 98.4 | 135.4 |
| | | 17.00 | 0.304 | 33.9 | 43.4 | 51.6 | 29.4 | 42.7 | 58.7 | 74.4 | 108.2 | 148.8 |
| | | 20.00 | 0.361 | 45.7 | 60.9 | 76.6 | 34.9 | 50.7 | 69.7 | 87.4 | 127.1 | 174.8 |
| | | 23.00 | 0.415 | 52.9 | 77.0 | 100.3 | 40.1 | 58.3 | 80.1 | 99.4 | 144.6 | 198.8 |
| | 168.28 | 17.00 | 0.250 | 14.8 | 17.7 | 18.8 | 20.0 | 29.1 | 40.1 | 75.1 | 109.2 | 150.1 |
| | | 20.00 | 0.288 | 20.5 | 24.0 | 27.8 | 23.1 | 33.6 | 46.2 | 86.0 | 125.0 | 171.9 |
| | | 24.00 | 0.352 | 31.4 | 39.7 | 46.4 | 28.2 | 41.0 | 56.4 | 104.0 | 151.3 | 208.0 |
| | 177.80 | 23.00 | 0.317 | 22.6 | 26.4 | 30.6 | 24.0 | 35.0 | 48.1 | 99.8 | 145.1 | 199.6 |
| | | 26.00 | 0.362 | 29.9 | 37.3 | 43.0 | 27.5 | 39.9 | 54.9 | 113.2 | 164.6 | 226.4 |
| | | 29.00 | 0.408 | 37.3 | 48.5 | 58.8 | 31.0 | 45.0 | 61.9 | 126.7 | 184.3 | 253.4 |
| | | 32.00 | 0.453 | 44.6 | 59.4 | 74.3 | 34.4 | 50.0 | 68.7 | 139.7 | 203.2 | 279.4 |
| | | 41.00 | 0.590 | 58.6 | 85.2 | 117.1 | 44.8 | 65.1 | 89.5 | 178.1 | 259.1 | 356.3 |
| FLUSHMAX-III | 193.68 | 26.20 | 0.328 | 19.9 | 23.4 | 27.0 | 22.8 | 33.1 | 45.5 | 112.7 | 164.0 | 225.5 |
| | | 29.70 | 0.375 | 27.0 | 33.0 | 36.9 | 26.1 | 38.0 | 52.2 | 128.1 | 186.3 | 256.1 |
| | | 33.70 | 0.430 | 35.2 | 45.2 | 54.3 | 29.9 | 43.6 | 59.9 | 145.7 | 212.0 | 291.4 |
| | | 35.80 | 0.465 | 40.3 | 53.0 | 65.4 | 32.4 | 47.1 | 64.8 | 156.8 | 228.1 | 313.6 |
| | | 39.00 | 0.500 | 45.6 | 60.8 | 76.4 | 34.8 | 50.7 | 69.6 | 167.8 | 244.1 | 335.6 |
| | 203.20 | 30.50 | 0.375 | 24.3 | 29.1 | - | 24.9 | 36.2 | - | 134.7 | 195.9 | - |
| | | 33.80 | 0.417 | 30.3 | 37.9 | 43.9 | 27.7 | 40.3 | 55.4 | 148.9 | 216.6 | 297.9 |
| | 219.08 | 32.00 | 0.352 | 17.4 | 21.0 | 23.6 | 21.7 | 31.5 | 43.3 | 137.2 | 199.5 | 274.3 |
| | | 36.00 | 0.400 | 23.8 | 28.3 | 32.3 | 24.6 | 35.8 | 49.3 | 155.0 | 225.4 | 309.9 |
| | 244.48 | 36.00 | 0.352 | 13.9 | 16.3 | 17.0 | 19.4 | 28.2 | 38.8 | 153.7 | 223.6 | 307.5 |
| | | 40.00 | 0.395 | 17.7 | 21.3 | 23.9 | 21.8 | 31.7 | 43.6 | 171.7 | 249.8 | 343.4 |
| | | 43.50 | 0.435 | 22.4 | 26.3 | 30.5 | 24.0 | 34.9 | 48.0 | 188.3 | 273.9 | 376.6 |
| | | 47.00 | 0.472 | 26.8 | 32.8 | 36.6 | 26.0 | 37.9 | 52.1 | 203.5 | 296.0 | 407.0 |
| | | 53.50 | 0.545 | 35.4 | 45.7 | 54.8 | 30.1 | 43.7 | 60.1 | 233.1 | 339.0 | 466.2 |
| | 273.05 | 40.50 | 0.350 | 10.9 | 11.9 | 11.9 | 17.3 | 25.1 | 34.6 | 171.4 | 249.4 | 342.9 |
| | | 45.50 | 0.400 | 14.4 | 17.1 | 18.0 | 19.8 | 28.7 | 39.5 | 195.0 | 283.6 | 390.0 |
| | | 51.00 | 0.450 | 18.6 | 22.2 | 25.2 | 22.2 | 32.3 | 44.5 | 218.3 | 317.5 | 436.6 |
| | 298.45 | 47.00 | 0.375 | 10.4 | 11.2 | 11.2 | 16.9 | 24.7 | 33.9 | 200.9 | 292.2 | 401.8 |
| | | 54.00 | 0.435 | 14.3 | 16.9 | 17.7 | 19.7 | 28.6 | 39.3 | 231.8 | 337.2 | 463.7 |
| | | 60.00 | 0.489 | 18.3 | 21.9 | 24.9 | 22.1 | 32.1 | 44.2 | 259.4 | 377.3 | 518.7 |
| | | 65.00 | 0.534 | 22.8 | 26.7 | 30.9 | 24.1 | 35.1 | 48.3 | 282.1 | 410.3 | 564.2 |
| | 339.73 | 54.50 | 0.380 | 7.8 | 7.9 | 7.9 | 15.1 | 21.9 | 30.2 | 232.6 | 338.3 | 465.2 |
| | | 61.00 | 0.430 | 10.6 | 11.5 | 11.5 | 17.1 | 24.8 | 34.1 | 262.2 | 381.3 | 524.4 |
| | | 68.00 | 0.480 | 13.4 | 15.7 | 16.1 | 19.1 | 27.7 | 38.1 | 291.5 | 424.0 | 583.1 |
| 72.00 | | 0.514 | 15.3 | 18.4 | 19.9 | 20.4 | 29.7 | 40.8 | 311.4 | 452.9 | 622.7 | |

* Note) FLUSHMAX-II and III are not interchangeable among same OD and different unit weight sizes.

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