

Figure: 30 TAC §317.2(a)(2)(A)

$$PS = C \times RSC \times \frac{8.337}{D}$$

Where:

PS = Pipe Stiffness, per square inch (psi);

C = Conversion Factor, (0.80);

RSC = Ring Stiffness Constant; and

D = Mean Pipe Diameter, in.

**In all cases the design procedure, such as outlined in this subparagraph, shall dictate the minimum pipe stiffness whether less than or greater than 46 psi; however, direct bury installations of flexible pipe material may consider a minimum stiffness requirement to ensure ease of handling, transportation, and construction. Special consideration shall be given to the pipe stiffness at the expected installation temperature. The resistance of each material to the failure modes of strain, buckling, and wall crushing shall be justified to the satisfaction of the executive director by the engineer. In all situations, the design methodology shall be consistent with currently accepted design practices and acceptable to the executive director. In the design of sanitary sewer systems using trenchless technology, other design methodology may be considered appropriate depending upon the type of pipe selected and other specific conditions.**