

- C. PE and PP structured wall pipes and fittings shall fully comply with the requirements of EN 13476.
- D. PP solid wall pipes and fittings shall fully comply with the requirements of EN 1852.
- E. PP pipes and fittings shall comprise PP together with those additives that are needed for the manufacture and performance of pipe, together with pigments that may be added to achieve the required pipe colour.
- F. No mineral modifiers or fillers shall be used.
- G. Pipes and fittings shall be capable of withstanding the surcharge pressure, test pressure and loadings required by the project design and this specification.
- H. Pipes and fittings shall be suitable for carrying storm water but shall also comply with the requirements of the RSB Trade Effluent Control Regulations. They shall also be suitable for carrying fluids having a temperature of 45oC and maximum sulphide concentration of 50 mg/litre. They shall also be fully resistant to saline water of concentrations up to 55,000 mg/litre.
- I. In addition to virgin material the use of the manufacturer's own reprocessible material obtained during the production and testing of the products is permitted provided the material is of the exactly the same grade as the virgin material. Use of external reprocessible and recycled material is not allowed.
- J. Pipes shall have been tested in accordance with clause 6.11 of WIS-4-35-01 and the deflection in the vertical axis shall not exceed 5% of the pipe diameter.
- K. All bends shall be long radius bends unless otherwise approved by the Engineer.
- L. Spigot and socket type or double socket type joints shall have elastomeric sealing rings in accordance with EN 681. The sealing rings shall be supplied by the pipe manufacturer
 - i. In the case of structured wall pipes the dimensions and performance of the joints shall comply with the requirements of EN 13476.
 - ii. In the case of sold wall PP pipes the dimensions and performance of the