

- Q. Manufacturer instructions and guidelines concerning storage of tank parts and accessories general site conditions of tank location, erection method, usage and operation of the water tanks shall be strictly observed.

III. Quality Control

- A. Supplier shall take all necessary measures to satisfy the owner that water tank supplied for use within its domain meets requirements detailed forth. This shall be repeatedly done every five years or as and when called by the owner during guaranteed period.
- B. Tanks shall be erected, tested and commissioned for use only by the manufacturer.
- C. The manufacturer shall clarify the periodic inspection of tank algae growth and remedial measures.
- D. Whenever composition or process of manufacturing of particular component part is changed or modified, the affected component part shall have to be tested in presence of Engineer.
- E. All testing and inspection costs shall be born by the contractor.
- F. Tank material properties shall be tested and submitted in compliance with the Table. Verification tests shall be performed intermittently as per the Engineer's demand.

Table 1-5: Test on Properties

No.	Tests on properties	Standard	Limits
1	Melt Index	ASTM D 1238	> 5.0 g/10 min.
2	Vicat softening	BS EN 727	> 115°C
3	Density	ASTM D 1505	> 0.935 g/cm ³
4	Tensile Strength (@ yield)	ASTM D 638	Min. 180 Kg/cm ²
5	Elongation @ break	ASTM D 638	Min. 700 %
6	Water Absorption	ASTM D 570	Max.0.2%
7	Shore D Hardness	ASTM D2240	> 35