

1. **Name of Component** –OIL COMPARTMENT CYLINDER

2. **Material** – Glass Filament wound Epoxy Bonded Tube

3. **Size**- I/D : 458mm

O/D : 478 mm

Length : 805mm to 1165 mm (variable)

4. **Physical Properties:**

**Apparent Density:**

2.1 **g/cm<sup>3</sup>**, Min, when **tested** on a **sample** of **size** 25x25 mm by any conventional **method**.

Water absorption after 96 hours of water **immersion** at room **temp**.

0.2X, Max. when **tested** on a cured sample of 38 mm length ft 38 mm width.

Shrinkage after 96 hours at 120 t 4 deg.C.

**0.5% max**, when **tested** on a cured **sample** of 50 mm **length** & 50 mm width.

Bond Content:

22 ± 2X.

Shall be determined by burning the bond at 600 - 620 deg.C for **sufficient time**.

Texture of Glass:

**Test shall** be carried out on 50 mm long (curved) and 25 mm **wide** sample by burning the **bond** at 600-620 deg.C for **sufficient time**.

**Glass fibres shall** have **cross** weave orientation.

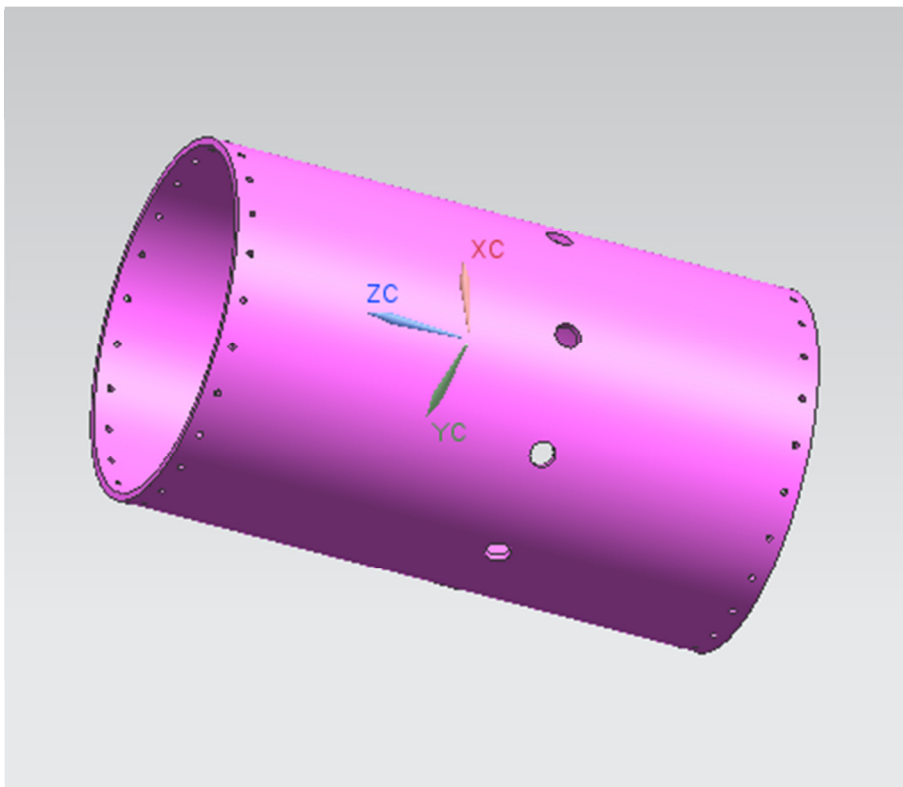
## 5. Electrical Properties:

**Electric Strength in oil at  $90 \pm 2$  deg C (Axial)**

50 kV/25 mm for 5 **minutes**, when tested on a curved sample of 50 mm **length**.

**Comparative Tracking Index**

600, **min**,



6. Fig

## 7. Special machining requirement:

Diamond Drill is required to achieve tolerance for hole in the range dia 34.460 to 34.300 mm