

Course Objectives

Training is aimed at providing detailed introduction to in-depth hands on practice to those new to the industry or wishing to develop their career further in the Glass Blowing area. Proposed training covers:

Contents

- Different Types of Glasses,
- Glass thermal properties,
- Identification of different types of glasses,
- Physical properties of glass,
- Working point, Annealing point,
- Flame annealing of glass,
- Strain point,
- Coefficient of thermal expansion of glasses,
- Bursting pressure of pyrex.
- Introduction to Glass blowing equipments, pressure regulator, glass blowing burners,
- Different types of flames,
- Heat resistant cloths and wares
- Preliminary glass blowing operations
- Fire polishing and flared ends,
- Round bottom tubes,
- Flat bottom tubes,
- Healing cracks,
- Glass fusion,
- Glass tube bending, cutting, grinding, surfacing and joints.
- Fundamentals of glass blowing seals: straight seals, T-seals by rotation,
- Bulb forms, capillary tubing, test tube with different open edges. Fundamentals of glass blowing seals: straight seals, T-seals by rotation,
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