

Technical Information

IS07

Performance Colors & Glass

UTH/UTL PTCR (660 – 900°C)

Product description

UTH/UTL is the new family member of the process temperature control rings (PTCRs) produced by Ferro. It is a suitable- and low cost tool for measuring temperature in the range of 660-900°C.

The accuracy of UTH/UTL is significantly higher than other similar products in the market.

As usual for the PTCRs of FERRO, this product is available in two different thicknesses: 3.5 and 7 mm.

UTH/UTL consists of environmentally friendly components and has no negative effect on atmosphere of furnace.

UTH/UTL is ideal for oxidizing, inert, vacuum as well as reducing atmospheres. For non-oxidizing atmospheres, the rings must be heat treated in air at 550°C for 30 min before applying.

Advantages

UTH/UTL measures exactly the peak temperature applied during thermal processes in a wide range of soaking times; from 10 min up to 10 h.

Limitation of Warranty and Liability

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The temperature table provided for each UTH/UTL batch is a standard table and it is valid for 1 hour soaking time at peak temperature.

Ferro provides its customers an accurate temperature curve for correcting the temperature table for other soaking times.

High green strength hinders dusting and abrasion of UTH/UTL while handling.

Applications

- Electronic industries like LTCCs, semiconductors,...
- Glass and ceramic industries like special sealing glass, annealing furnaces, decoration of glass & porcelain ...