

CHEMICAL TEST on the ZOTEK F42 HT LS foam

Date : 06/02/2008

The purpose of the study is to check that the cells of the ZOTEK F42 HT LS foam are not modified by the contact with the chemical products as cleaning products.

Chemical test

The foam sheets have been immersed during 48h at 23°C in :

- methanol
- ethanol
- isopropanol
- formaldehyde
- H2O2 35%

The foam tube closed with the tape has been immersed in H2O2 35% during 48h at 23°C.

Microscopic analysis

Cross sections have been cut.

We put ink in order to mark the cells sides and observe the morphology of the cells.

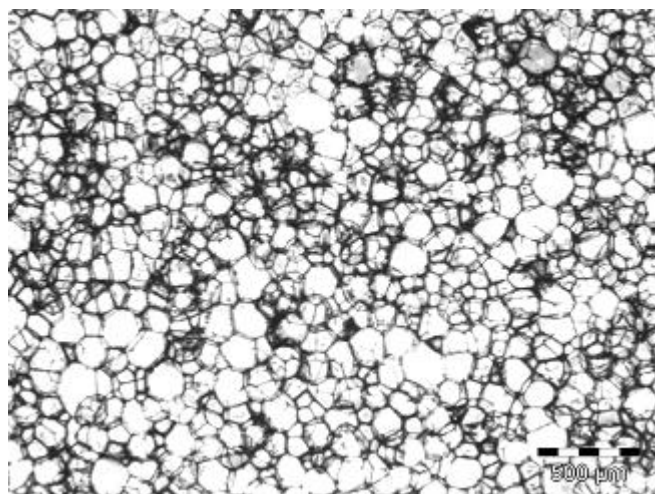
Conclusions

No damage on the cells of the ZOTEK F42 HT LS has been observed after the treatment of 48h at 23°C in methanol, ethanol, isopropanol, H2O2 35%, formaldehyde.

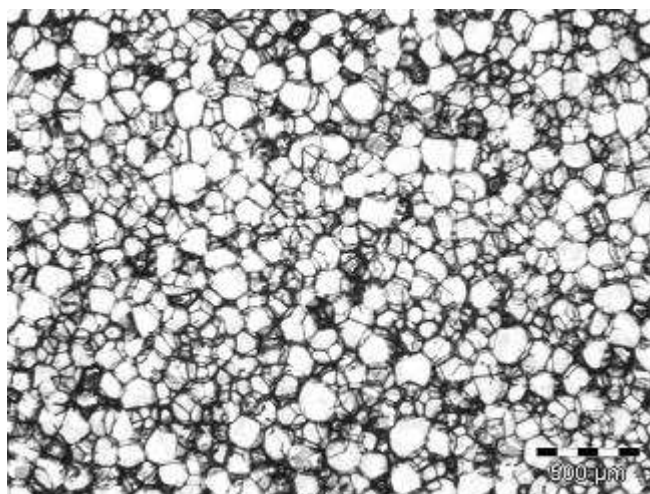
Concerning the tube made of ZOTEK F42 HT LS , after the treatment H2O2 35% 23°C during 48h no damage of the adhesion of the tape has been observed.

Photographs of the foam sheet

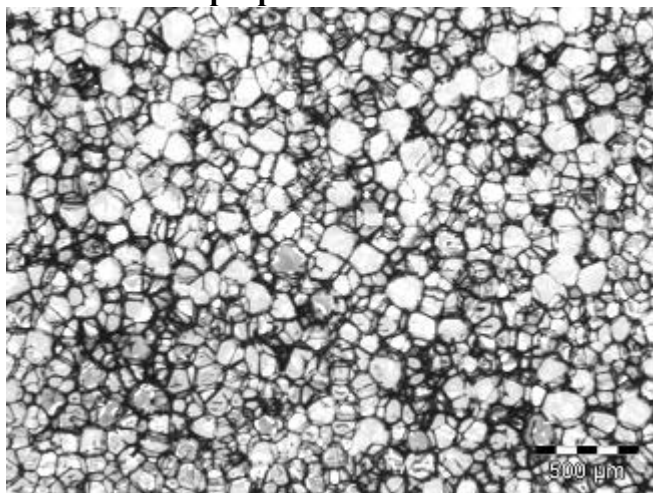
Formaldehyde 48h 23°C



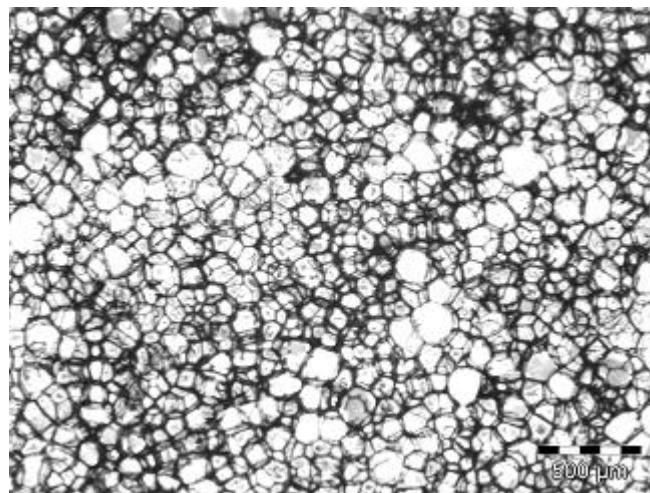
Ethanol 48h 23°C



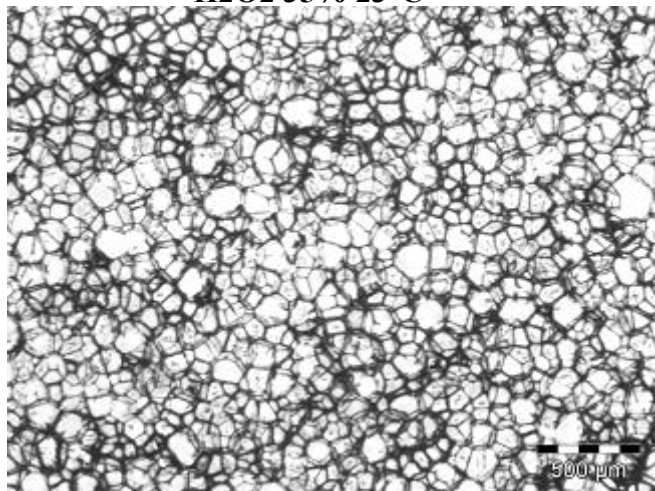
Isopropanol 48h 23°C



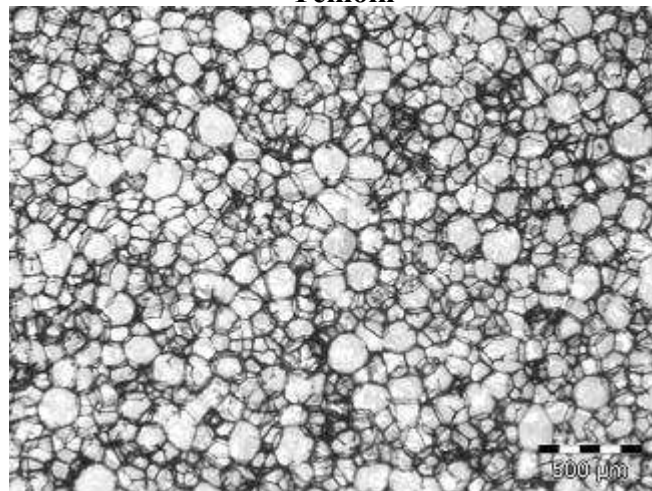
Methanol 48h 23°C



H2O2 35% 23°C



Temoin



Photographs of the foam tube and tape on after the treatment

