

Objective

To realise large pore size in thick (100 μm) polymer film.

Experimental

Track etch membranes have been prepared from more than 100 microns thick polymer films.

Characterisation has been done by scanning electron microscopy.

Results

After etching pores are only opened on one side of the film and have a mean length around 60 microns as shown on SEM pictures of figure 1.

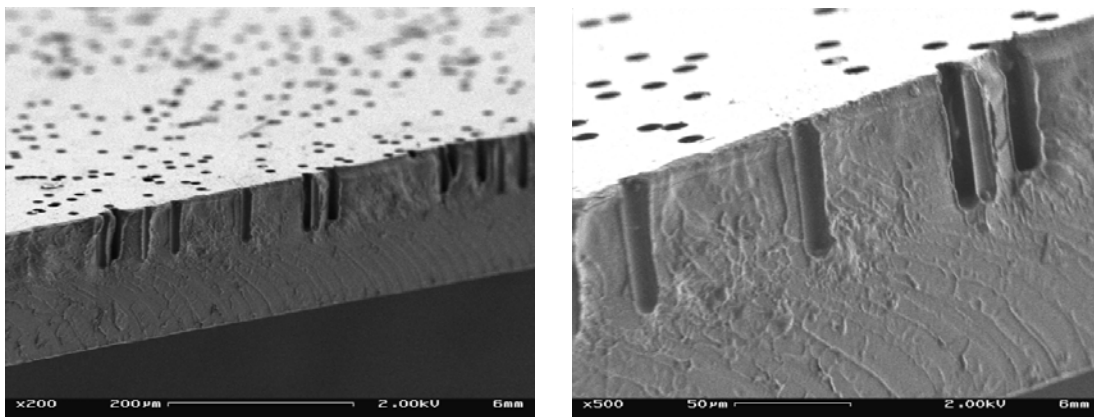


Figure 1 : SEM pictures of the slide of a 175 μm thick PC film beamed and etched to 12 μm pores.

Conclusion

Track etched 'test tubes' like can be prepared from thick polymer film with pores opened on one side only; pore size and pore density can be adjusted.