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Resonance | **SSCP**

## **SSCP PC 373/370 Application Note #1**

PC 373/370 series is a low loss, low index polymer ideally suited to clad silica core fibers while they are being drawn or to recoat fibers after stripping. However, prolonged exposure to temperatures below room temperature may result in the uncured liquid becoming hazy or cloudy.

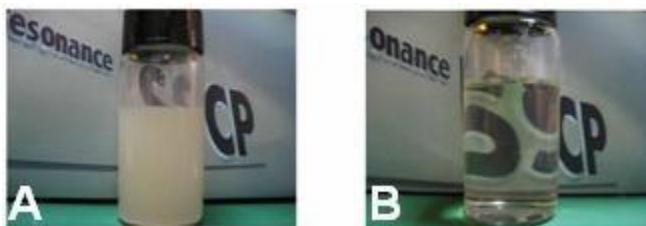
There is no cause for alarm- this is an entirely reversible process. Merely by heating the liquid for a short time at a slightly elevated temperature, you can reverse this process, making the PC 373/370 crystal clear again. This process may be repeated as necessary.

### Procedure:

- 1) Take PC 373/370 material which has become cloudy or less transparent than formerly.
- 2) Heat material at 50°C for 30 minutes.
- 3) The PC 373/370 should once again be crystal clear, allowing you to see through the beaker or to the bottom of the bottle easily.

### Notes:

- 1) If the PC 373/370 does not become clear, it is possible that the PC material has become contaminated with another material. This is an irreversible process. Keep PC 373/370 clean and do not mix with other materials.
- 2) PC 373/370 can be kept at 50°C for several hours if you wish, with no harm to it. This is useful if you are working in a cold environment or if you wish to perform the heating several hours in advance of drawing.
- 3) We recommend that PC materials (when not being poured or used) are kept sealed, out of UV light, and in an environment which is at room temperature and below 50 % RH.



PC 373/370 Appearance Pictures

(A: Hazy PC 373/370 (below room temperature), B: Clear PC 373/370 (heated at 50°C for 30 minutes))

\*Other PC products may occasionally also cloud up in a similar fashion and can be cleared up in the same way.