

POM (Polarized Optical Microscopes)

1.

가

가

90°

2.

morphology

가

control

가

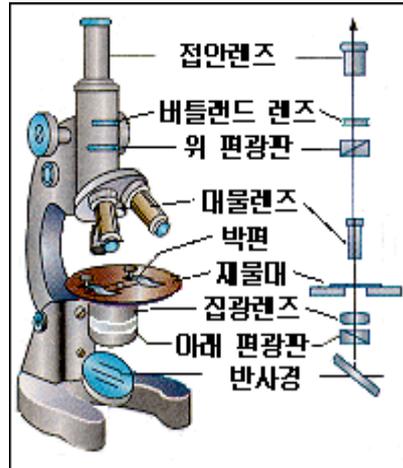
가



Fig. 1. (), LCD monitor(), 가 ().



Fig. 2. Olympus BX60(),



().

2 가

가

()

()



Fig. 3. (), ()



Fig. 4. (), ()

3.

1) /

가 .

Morphology

Morphology



Fig. 5.

2) Stage

stage

base slide

cover slide

morphology

Hot Stage

(<http://www.cheric.org>)

Hot Stage

slide



Fig.6. Hot Stage

3) Focusing

focusing

가



Fig 7.

4)

dark face blight face 가

. BF

DF

DF



Fig. 8.

5)

5X, 10X, 20X 3 가 가 10X

1X, 1.25X, 2X 가 가

. (Fig. 8)

400X

LCD

132X (

가 3.3X)

morphology

100X, 200X

가

가

4.

1) PP(Polypropylene)

morphology

9 131°C

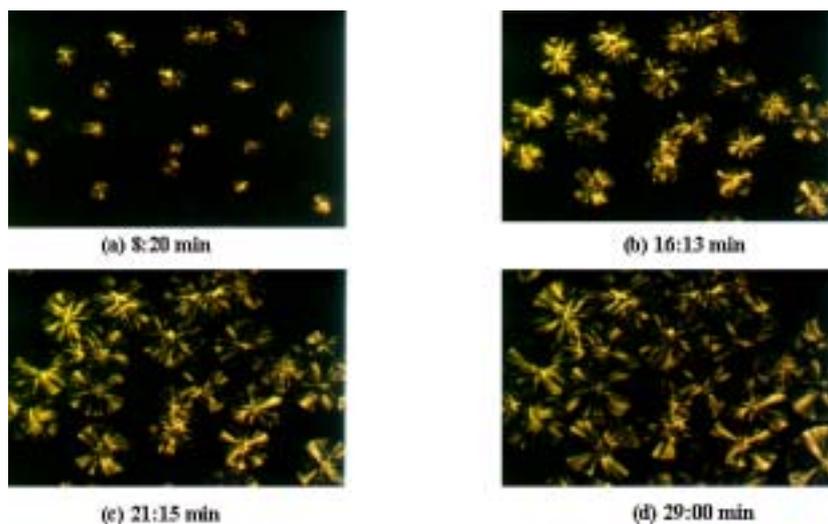


Fig. 9. Polarized micrographs of the isothermal crystallized PP at 131 °C.

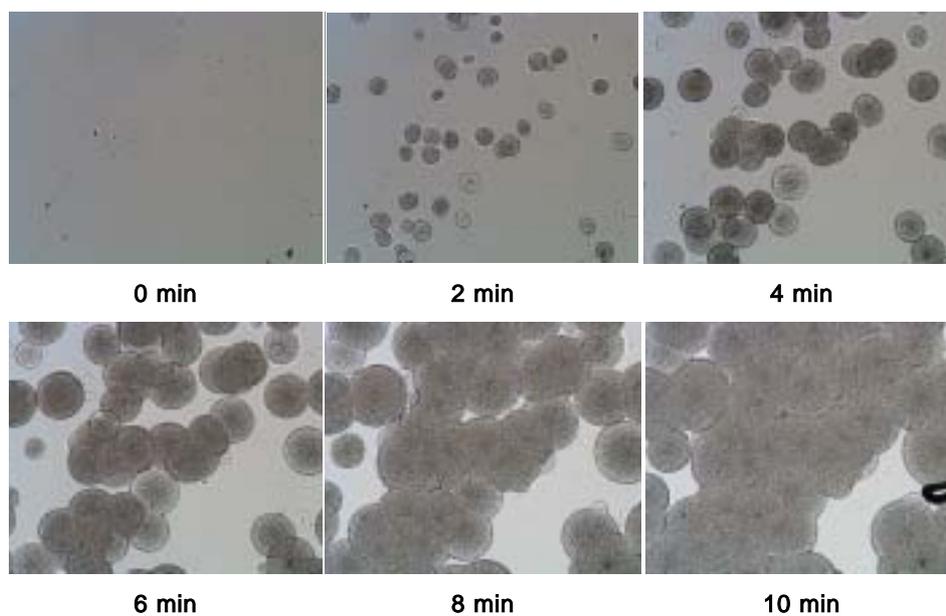


Fig. 10. Simple Polarized photographs.

10 Homogeneous PP가 ethylene PP
Simple polarized morphology

가

2) Optical micrographs of the PP/PCL (7/3) blends

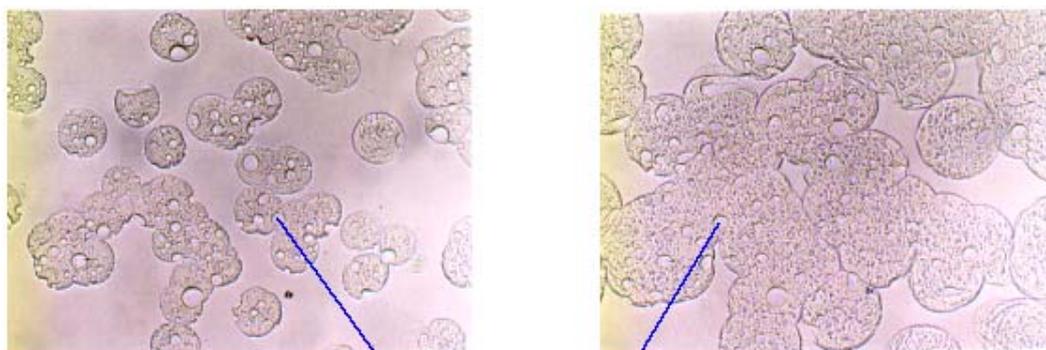
133°C

, PP

PCL

droplet

가



PCL droplet in PP spherulites

Fig. 11. 133 °C

PP/PCL Blend

morphologies.

3) PP Extrusion morphology

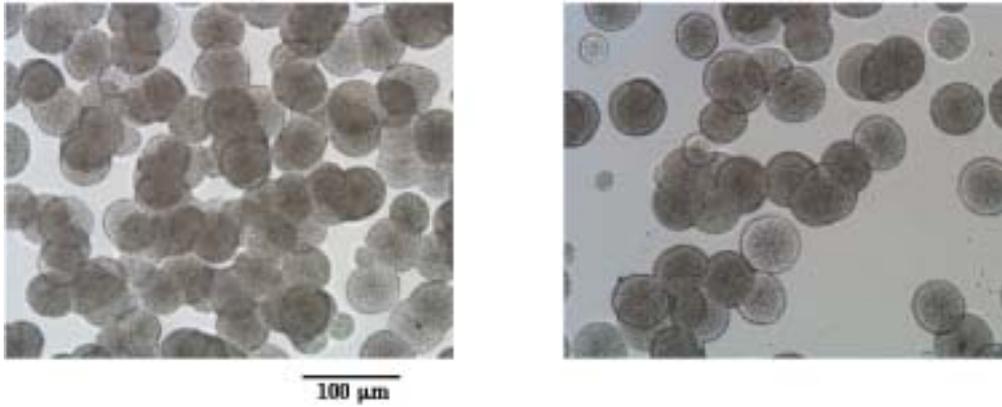


Fig. 12. Virgin PP(), 3rd Extrusion PP() 130 °C morphologies.

가 Virgin PP 3 PP
 3rd Extrusion PP , PP
 . Simple polarizing
 . (Simple polarizing
 .)