

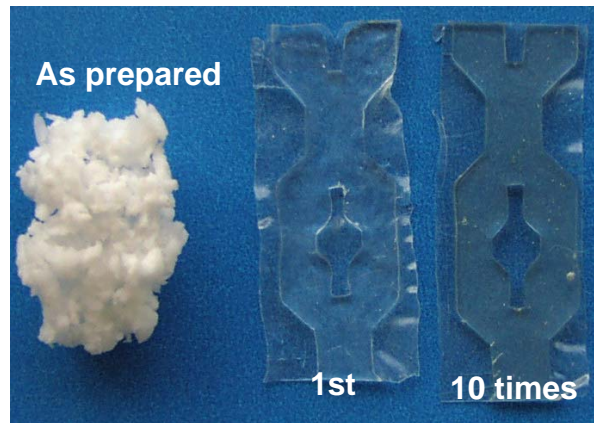
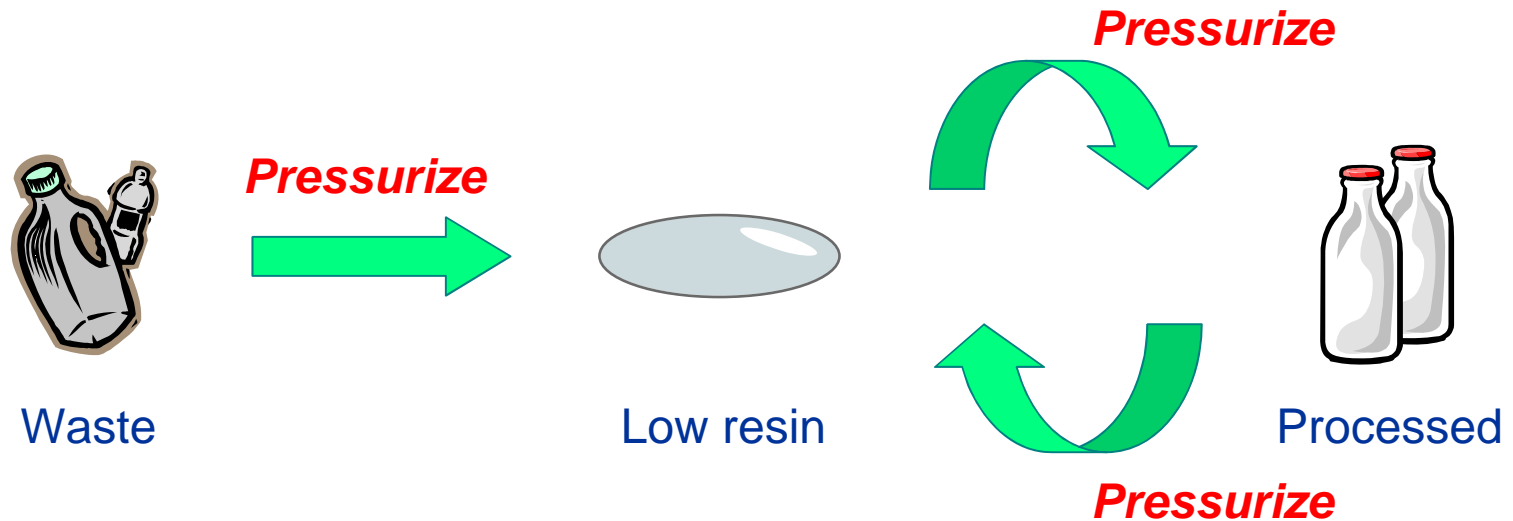
Plastics with Low-Temperature Formability - *Baroplastics* -

Chemical Research Group
Research Institute of Innovative Technology
for the Earth (RITE)

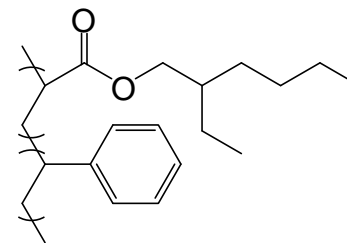


Baroplastics

Plastics that flow at ambient temperature by *pressure*



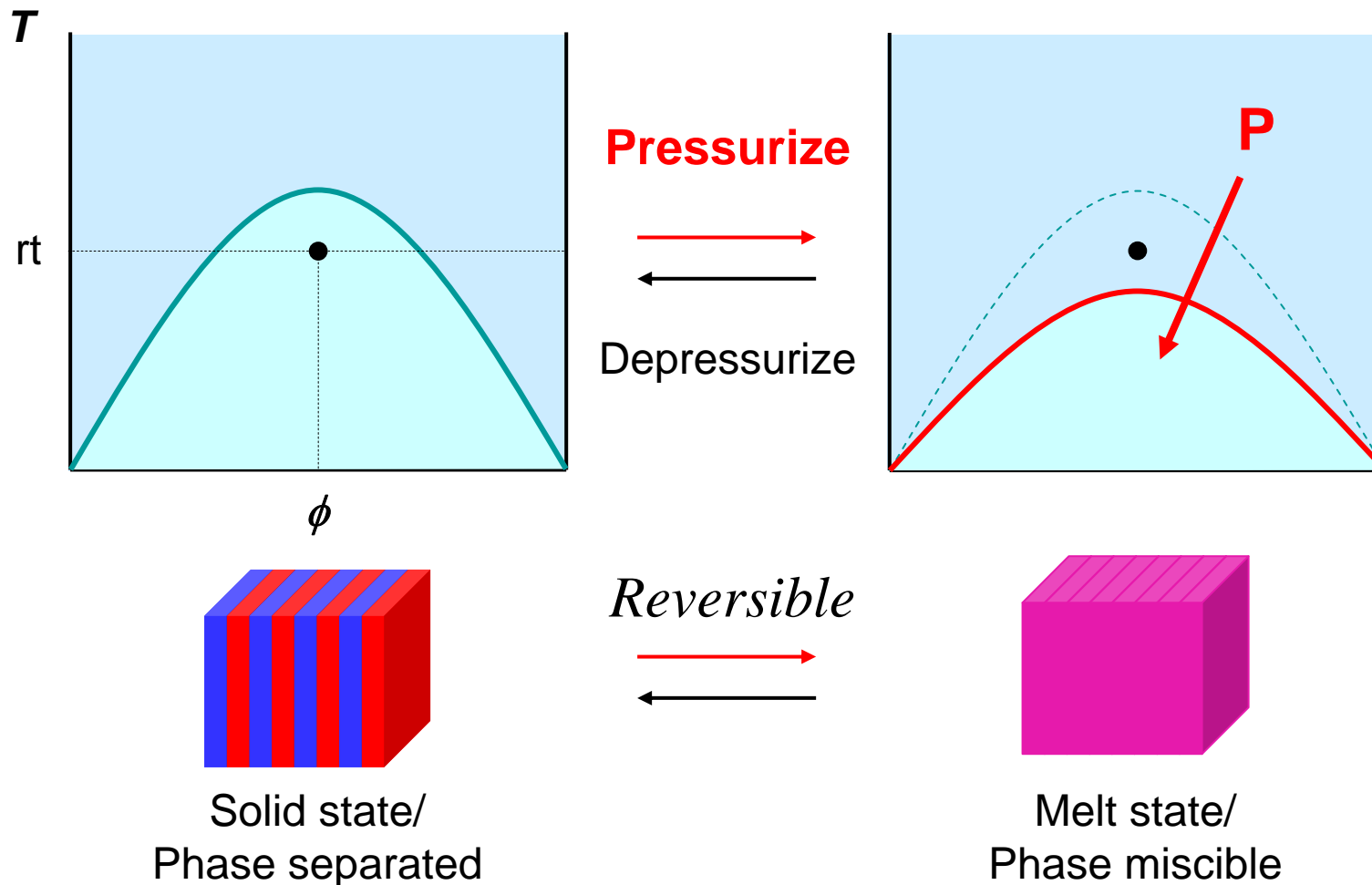
Processed **at rt** under 35 MPa for 5 min



Block copolymer

Pressure-Induced Phase Transition

Reversible phase transition of microphase separated multi component polymer systems by *pressure*



As a Promising Material

Paradigm Shift toward Low-Carbon Society

Energy saving process

Low CO₂ emission

Fossil recourse use suppression

Environmentally benign

Renewable resources

