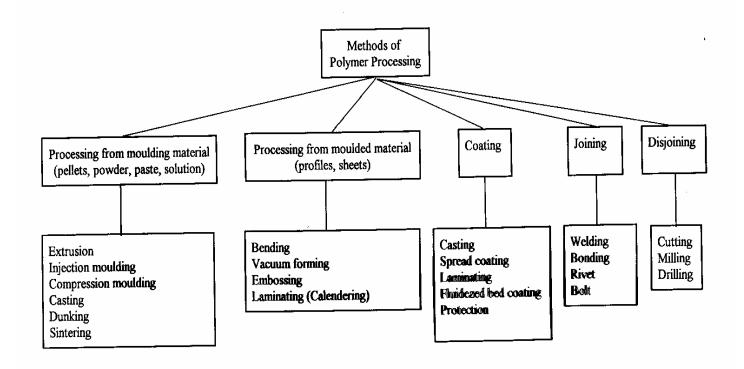
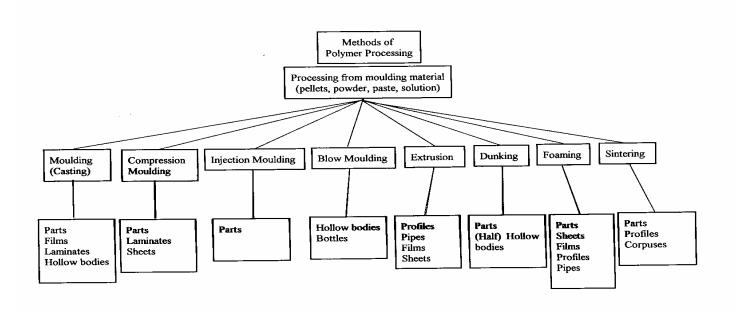
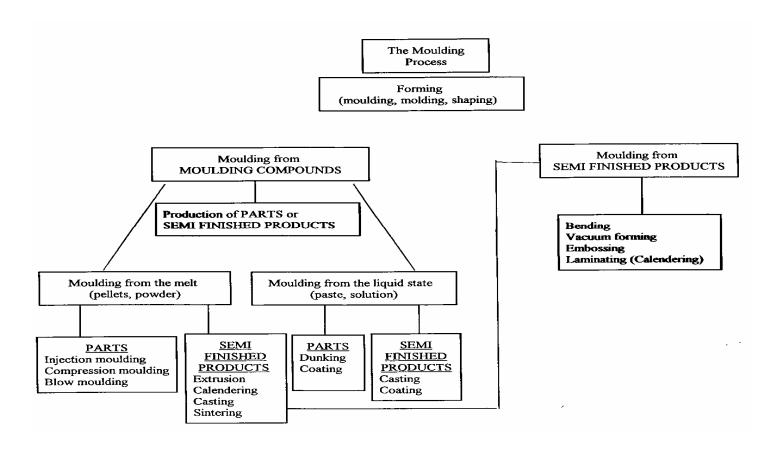
Polymer Processing <u>Basics</u>





Polymer Processing Basics



Polymer Processing <u>Basics</u>

Action Pairs in Polymer Processing				
Screw	-	Cylinder	C C	Extruder, Injection moulding machine
Plunger	-	Cylinder		Extrusion press, Injection moulding machine
Roll	-	Roll	- C C	Roll mill, Calender
Scaper	-	Pad		Coating machine
Rotor	-	Wali		Kneader, Mixer

Basis Flow in Polymer Processing

Spread flow	Basis model for kneader, extruder, calender, coating
Pressure flow	Basis model for flow in moulds, channels, dies
Film running flow	Basis model for coating
Shear flow	Basis model for Rheometer, extruder, plastizing units
Extensional flow	Basis model for film, blowing, film stretching, thread stretching

Polymer Processing Basics

The Moulding
Process

MOULDING
by

1. Gravity force
2. Pressure
3. Centrifugal force

