



P:REACT

LSP: LIQUID STATE POLYCONDENSATION



Before purification	After purification
Impurities SSP	Remaining impurities in the core
Impurities LSP	Effective purification due to enormous surface area of the material strands

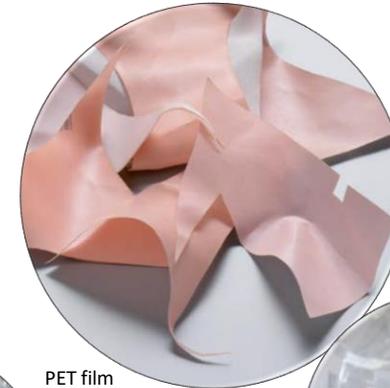
	up to [kg/h]	up to [lbs/h]
P:REACT 600	700	1540
P:REACT 1200	1400	3080
P:REACT 2000	2200	4850
P:REACT 3000	3000	6610
P:REACT 4000	4000	8820

P:REACT의 주요 특징

- LSP(Liquid State Polycondensation, 액상 중합)
- 최고 수준의 PET 재활용
- 뛰어난 공정 안정성을 갖춘 연속 생산 시스템
- 빠른 IV 상승 및 IV 값의 자동·지속 조절
- FDA, EFSA 승인을 받은 100% 식품용 등급 품질



PET bottle flakes
mixed post washing line



PET film
automotive airbag



PET trays
thermoforming



PET fibre
fibre spinning



PET skeletons
thermoforming

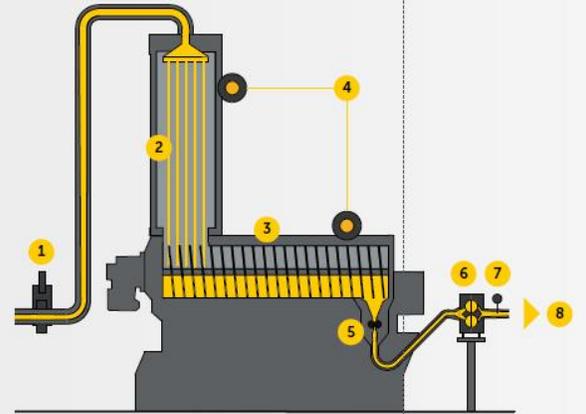
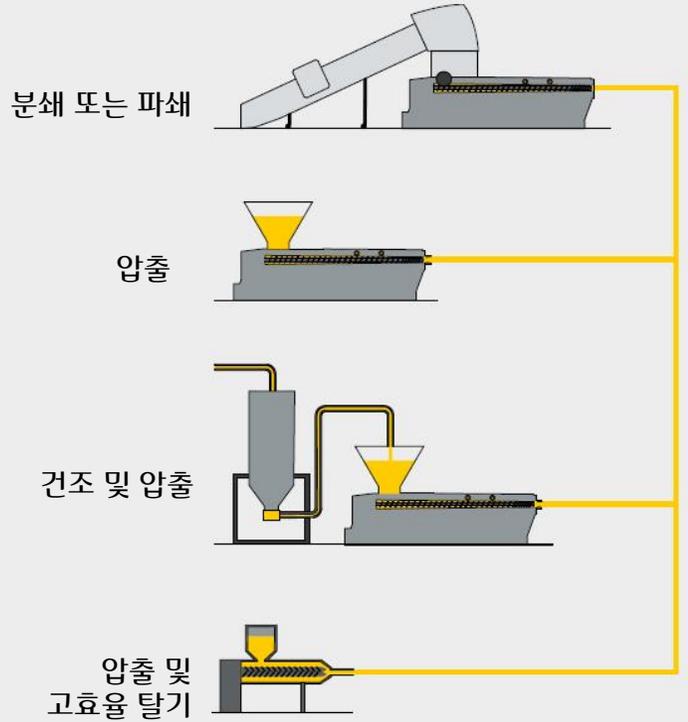


PET lumps
extrusion start-up

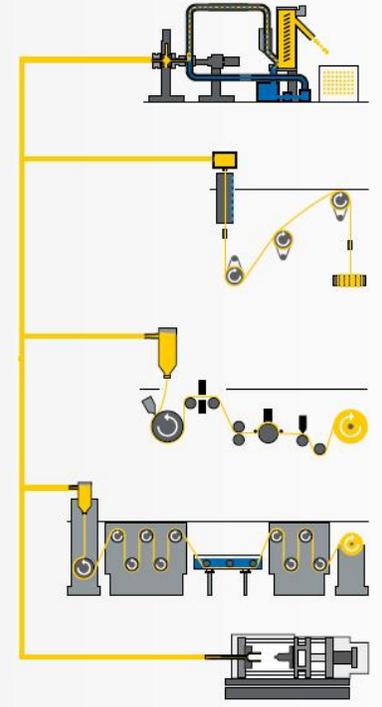
P:REACT

LSP: LIQUID STATE POLYCONDENSATION (액상 중합 과정)

용융 단계 ▶ 불순물 제거 ▶ 후단 설비



- ① By-pass (바이패스)
- ② 용융 반응기(진공 처리)
- ③ 수평 드럼
- ④ 오염 물질 제거 후 배출
- ⑤ 용융 수지 이송 펌프
- ⑥ 필터링 과정
- ⑦ IV 측정
- ⑧ 후단 설비



Pelletization unit

Spinning system

Film manufacturing

Manufacturing strapping

Preform



Pelletization unit



Spinning system



Film manufacturing



Manufacturing strapping



Preform

