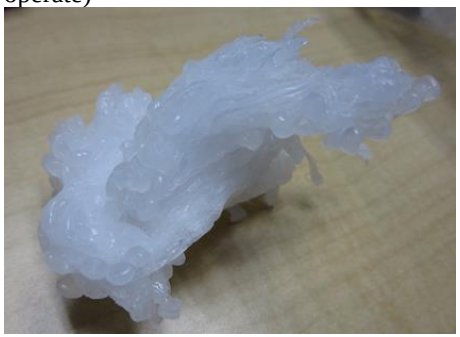
Agglomeration or Cluster

Problem	Typical Cause	Effect	Action check list	Remark
Found Agglomeration or Cluster Example : 20/8/15 (during S/U)  Example : 25/8/15 (during normal operate) 	**<u>Process</u>** 1. Too High Polymer melt temp - High After cooler temp - High Barrel Temp 2. Too High Pellet water Temp 3. Too High Die plate Temp 4. Too Low Pellet water Flow **<u>Mechanical</u>** 1. Cutter defect - Gap too high - wear - miss alignment 2. Die plate defect(Nip loosen)	1. Found Agglomerate at Over-size bag 2. F1905 blockage by agglomerate and flow back to R1901 and may cause R1901 overload trip ** Sign : FI19101 tend to reduce and R1901 current was increasing **	1. Adjust Process Step **<u>DO!!</u>** □ Decrease Barrel water; TI17110 (↓ ≥ 150 ₀C) □ Increase Pellet water flow; FI17105 (↑ ≤ 820 m3/hr) □ Decrease After cooler Temp; TIC13099 (↓ ≥ 235 ₀C) **<u>DON'T</u>** □ Don't decrease PEW temp (keep at 40₀C) □ Don't decrease Die plate Temperature (keep HS header at 37 barg) ----------risk of Die freezing----------	<u>After adjusted</u> -Monitor each step for 30 min (on site) - If Agglomeration still found, do next step
			2. Adjust Cutter knife **<u>DO!!</u>** □ Forward Cutter	<u>After adjusted</u> -Monitor for 30 min (on site and S-5101 report browser) - *Too much forward* cutter related to *cutter torque high*
			3. If Pellet Agglomeration still found after adjust Step 1 & 2. **<u>DO!!</u>** □ **Check Over size bag still open** □ **By-pass F1905** (prevent pellet overflow to R1901 then overload trip) □ Keep monitoring and Report in Daily meeting to find out with TE & AS	