Product Name Filler Masterbatch		PROCESS FLOW CHART ต้นฉบับ				
Step	Graphical Symbol	Process Name	Equipment	Key Product & Key Control Characteristics	Corrective Action	
1		Start Raw Material Received	Scales	 Code No., Quantity Weighting ± 1 % / Container 	Return Supplier / Record Incoming Material (WH-F-002)	
2		Incoming Inspection	Two Roll Mill Spectrophotometer	• Mixing RM Temperature 150-300 °C • Delta E (Color Shade) 0.5-3.00	Report To Warehouse	
3		Material Preparation	Scales	 Weighting ± 0.5 g./ 7.5 kg. Weighting ± 0.01 kg./ 60 kg. 		
4		Mixing	High Speed Mixer	Max 100 kg./ BatchAmp Meter 20-70 Amp.		
5		Feeder	Gravimetric Feeder	• Max Load 80%		
6		Mixing	Kneader	• Max 750 rpm.		
7		Extrusion	Single Screw Extruder	• 1,300-2,700 kg./ Hrs. • Temperature 100-260 °C	Rerun Process	
8		Cooling & Pelletizing	Underwater Pelletizer	• Speed 250 - 4,500 rpm.	Rerun Process	

Product Name		PROCESS FLOW CHART					
Filler Masterbatch		I ROCESS FLOW CHART					
Step	Graphical Symbol		Process Name	Equipment	Key Product & Key Control Characteristics	Corrective Action	
9			Final Inspection	Spectrophotometer	• Delta E (Color Shade)	Adjust/ Rerun/ Record QC-Report	
				Microscope	• Dispersion	(LA-F-006)	
				Magnifier	Homogeneity Contamination		
				Karl Fischer Moisture Balance	•Moisture		
				Bulk Density Tester	• Bulk Density		
				Density Tester	• Density		
				Furnance	• Ash Content		
				High Performance Liquid	Additive Content		
				Chromatography (HPLC)	- Additive Content		
				Filter Test	• Filter Value		
				Film Blowing	Dispersion Index		
				Differential Scanning Calorimeter (DSC)	Oxidation Induction Time (O.I.T)		
10			Packing	Scales	Weighting/ Identify Tag & Lable	Standard Packaging Operation	
			End				