Product Name			PROCESS FLOW CHART ตั้นฉบับ					
Filler Masterbatch			TROCESS FLOW CHART STRAIGHT					
Step	Graphical Symbol		Process Name	Equipment	Key Product & Key Control Characteristics	Corrective Action		
			Start					
1			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 250 kg./ Batch Amp Meter 0-80 Amp. Speed 450 - 1750 rpm. 			
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 Filler Masterbatch			PROCESS 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		
	\downarrow			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)				
				Filter Test Film Blowing	Filter ValueDispersion Index			
				Differential Scanning	* Dispersion index			
				Calorimeter (DSC)	Oxidation Induction Time (O.I.T)			
10			Packing	Scales	Weighting/ Identify Tag & Lable	Standard Packaging Operation		
			End					