Product Name			p.p.				
Additive Filler Masterbatch		PROCESS FLOW CHART ดั้นฉบับ					
Step	Graphical Symbol	Process Name	Equipment	Key Product & Key Control Characteristics	Corrective Action		
		Start					
1		Raw Material Received	Scales	<ul> <li>Code No., Quantity</li> <li>Weighting ± 1 % / Container</li> </ul>	Return Supplier / Record Incoming Material (WH-F-002)		
2		Incoming Inspection	Two Roll Mill Spectrophotometer	<ul> <li>Mixing RM Temperature 120-300 °C</li> <li>Delta E (Color Shade) 0.5-3.00</li> </ul>	Report To Warehouse		
3		Material Preparation	Scales	<ul> <li>Weighting ± 0.5 g./ 7.5 kg.</li> <li>Weighting ± 0.01 kg./ 60 kg.</li> </ul>			
4		Mixing	High Speed Mixer	<ul><li> Max 100 kg./ Batch</li><li> Amp Meter 20-70 Amp.</li></ul>			
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				
Additive Filler Masterbatch						
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	Moistana		
			Moisture Balance	•Moisture		
			Bulk Density Tester	Bulk Density		
			Density Tester	• Density		
			Furnance	• Ash Content		
			High Performance Liquid	Additive Content		
			Chromatography (HPLC)			
			Filter Test	• Filter Value		
			Film Blowing	• Dispersion Index		
			Differential Scanning	Oxidation Induction Time (O.I.T)		
			Calorimeter (DSC)	- Oxidation induction Time (O.1.1)		
10		Packing	Scales	Weighting/ Identify Tag & Lable	Standard Packaging Operation	
		End				