Product Name  Colour Masterbatch		PROCESS FLOW CHART			ต้นฉบับ
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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 150-200 °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 250 kg./ Batch</li><li>Amp Meter 20-80 Amp.</li><li>Speed 450 - 1750 rpm.</li></ul>	
5		Extrusion	Twin Screw Extruder	• 25-400 kg./ Hrs. • Temperature 100-300 °C	Rerun Process
6		Cooling & Pelletizing	Water bath & Pelletizer	• Speed 300-1,300 rpm.	Rerun Process

Product Name Colour Masterbatch		PROCESS FLOW CHART				
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7		Final Inspection	Spectrophotometer  Microscope  Magnifier  Karl Fischer  Moisture Balance  Bulk Density Tester  Density Tester  Furnance  High Performance Liquid  Chromatography (HPLC)  Filter Test  Film Blowing  Differential Scanning  Calorimeter (DSC)	<ul> <li>Delta E (Color Shade)</li> <li>Dispersion</li> <li>Homogeneity</li> <li>Contamination</li> <li>Moisture</li> <li>Bulk Density</li> <li>Density</li> <li>Ash Content</li> <li>Additive Content</li> <li>Filter Value</li> <li>Dispersion Index</li> <li>Oxidation Induction Time (O.I.T)</li> </ul>	Adjust/ Rerun/ Record QC-Report (LA-F-006)	
8		Packing End	Scales	Weighting/ Identify Tag & Lable	Standard Packaging Operation	