Product Name Black Masterbatch			CONTROL DI ANI												
			CONTROL PLAN ต้นฉบับ												
	Process	D 11 /	M 1: 5 :	Characteristics				Methods						ility	
Process Number	Flow	Process Name/ Operation	Machine,Device, Jig,Tools For			_	Special Char.	Product/Process	Evaluation	Sample		Control Method		disuc	Reaction
Number	Main	Description	Manufacturing	No.	Product	Process	Class	Specification/Tolerance	Measurement Technique	Size	Freq.	Manuf.	Q.C	Responsibility	plan
1	\Diamond	Incoming		01	Visual Control			PigmentFillerAdditive	Code No. Lot. R/M Quantity	1	Bag	WH-P-001 WH-F-001 ใบส่งของ Invoice PO COA		<u>△</u>	Return Supplier / Record Incoming Material (WH-F-002)
				02	Weighting			<u>±</u> 1%	• Scales	25 kg.		WH-F-001		\triangle	material (TTTT 662)
2	\Diamond	RM/QC		01	Mixing RM			Pigment 0.1 g.Ti02 0.9 g.HPPE 100 g.Zinestearate 0.065 g.	Two roll mill	1	Chip			0	Return Warehouse
_				02	Measure △E			Delta E 0.5-3.00	Spectrophotometer	·	оp		LA-S-003 CIE Lab WH-F-002 Sticker	•	R/M
3		RM/PREPARATION		01	Weighting		SC	• ± 0.01 kg./60 kg. • ± 0.5 g ./7.5 kg	Scales	1	Time	PL-F-003		\triangle	
4		Mixing	High Speed Mixer	01	Mix			Amp Meter 20-70 Amp.	High Speed Mixer	1	Time	PD-P-001 PD-P-002 PD-W-038 PD-F-009 PD-F-024 PD-F-026 PD-F-033 PD-F-035 PD-F-041 PD-S-002 PL-F-002			Rerun Process

Responsibility symbol ; \triangle = Warehouse Operator

▲ = Warehouse Manager

○ = QC & Lap Operator

● = QC & Lap Manager

 \square = Production Operator

= Production Manager

Product Name					001	ITD								
Black Mas	sterbatch					CON	NIK	OL PLAN						
	Process	Process Name/ Operation	Markina Davida	Characteristics					Methods					
Process Number	Flow		Machine, Device, Jig, Tools For		. Product	Process	Special Char. Class	Product/Process Specification/Tolerance	Evaluation	Sample		Control Method	onsib	Reaction plan
Number	Main	Description	Manufacturing	No.					Measurement Technique	Size	Freq.	Manuf. Q.C	Responsibility	pian
5		Feeder	Buss Kneader 1 Buss Kneader 2	01	Gravimetric Feeder		SC	• Max Load 80%	Buss Kneader 1 Buss Kneader 2	1	Time	PD-P-001 PD-P-002 PD-W-010 PD-W-033 PD-F-002 PD-F-004 PD-F-011 PD-F-012 PD-F-016 PD-F-018 PD-F-023 PD-F-024 PD-F-027 PD-S-002 PL-F-002		Rerun Process
6		Extrusion	Buss Kneader 1 Buss Kneader 2	01	Extrude			• 500 - 1,200 kg./ Hrs • Temperature Max 300 °C	Buss Kneader 1 Buss Kneader 2	1	Time	PD-P-001 PD-P-002 PD-W-010 PD-W-033 PD-F-002 PD-F-0011 PD-F-012 PD-F-016 PD-F-018 PD-F-023 PD-F-024 PD-F-027 PD-S-002 PL-F-002		Rerun Process
7		Cooling & Pelletizing	Underwater Pelletizer	01	Visual Control			N-A	• Speed 500-3600 rpn	N/A	N/A	PD-W-010 PD-W-033		Rerun Process

Responsibility symbol; \triangle = Warehouse Operator

○ = QC & Lap Operator ▲ = Warehouse Manager

☐ = Production Operator

= QC & Lap Manager

= Production Manager

Product Name					001	ITD 4									
Black Ma	sterbatch					CON	NIK(OL PLAN							
	Process	Process Name/ Operation	Machine,Device, Jig,Tools For Manufacturing	Characteristics			Special	Methods							
Process Number	Flow			No.	Product	Process	Special Char. Class	Product/Process Specification/Tolerance	Evaluation Measurement Technique	Sample		Control Method		Responsibility	Reaction plan
	Main	Description								Size	Freq.	Manuf.	Q.C	Resp	Piail
		Final Test	02 03 04 05	01	Delta E (Color Shade)			0.5-3.00	Spectrophotometer	1 CI	Chip				Adjust Rerun LA-F-006 (QC- Report) Add Rerun By Bland
	\Diamond			02	Dispersion			Visual	Zoom Stero Micoscope					0	
				03	Homogeneity Contamination			Visual	Floding Magnifier						
				04	Moisture		SC	≤ 0.2 %	Muistrue						
8				05	Bulk Density test		-	Customer STD Spec	Bulk Density						
				06	Density test			Customer STD Spec	Density						
				07	Ash Conten			Customer STD Spec	Furnance				LA-S-011 ISO18553		
				08	Additive Conten			Customer STD Spec	• HPLC				(AS DINEN- 13900-6)		
			10	09	Filter Value			Customer STD (< 2 bar)	• Filter test						
				10	Dispersion Index			Visual	• Film Blowing						
	_			11	OIT			Customer STD Spec	• Film Blowing						
9		Packing		01	Weighting			10 g.	Scales Visual	1	Bag	PD-S-002 PD-F-012 PD-F-018 PD-F-023 Sticker			Rework

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= QC & Lap Manager

☐ = Production Operator

= Production Manager