Product Na	ıme		CONTROL DI ANI											ต้นฉบับ		
Filler Maste	rbatch		CONTROL PLAN											91 V	ե₩IJIJ	
Drassas	Process	Process Name/ Operation Description	Machine, Device,	Characteristics			Special	Methods						Responsibility	Desetten	
Process Number	Flow		Jig,Tools For Manufacturing	No.	Product	Char. Process Class	Char. Class	Product/Process	Evaluation Measurement	San	ī	Contro	ol Method		Reaction plan	
	Main				1.0000	. 100000		Specification/Tolerance	Technique	Size	Freq.	Manuf.	Q.C	Q.C 👸		
1	\Diamond	Incoming		01	Visual Control			 Pigment Filler Additive Code No. Lot. R/M Quantity 	1	Bag	WH-P-001 WH-F-001 ใบส่งของ Invoice PO COA		Recor	Return Supplier / Record Incoming Material (WH-F-002)		
				02	Weighting			± 1%	• Scales	25 kg.		WH-F-001		<u>△</u>	ŕ	
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		LA-W-004 LA-S-009 LA-W-032 LA-P-003	0	Return Warehouse	
_				02	Measure ∆E			Delta E 0.5-3.00	Spectrophotometer		Griip		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	WH-W-003 PL-F-002 PL-F-003		<u>△</u>		
4		Mixing	High Speed Mixer	01	Mix			Batch Size 5 - 250 kg. Amp Meter 0 - 80 Amp. Speed 450 - 1750 rpm.	• High Speed Mixer	1	Time	PD-P-001 PD-P-002 PD-W-038 PD-W-039 PD-F-009 PD-F-024 PD-F-033 PD-F-035 PD-F-041 PD-S-002 PL-F-002		•	Rerun Process	

Responsibility symbol;

△ = Warehouse Operator▲ = Warehouse Manager

O = QC & Lap Operator

□ = Production Operator■ = Production Manager

= QC & Lap Manager

roduct Name		CONTROL PLAN													
iller Maste	rbatch														
_	Process	Process Name/ Operation Description	Machine, Device,	Characteristics			Special	Methods						billity	
Process Number	Flow		Jig,Tools For	No.	. Product	(Char. Class	Product/Process Specification/Tolerance	Evaluation Measurement	Sample		Control Method		Responsibility	Reaction plan
	Main	Description	Mandiacturing	INO.	Product	Process	Class		Technique	Size	Freq.	Manuf.	Q.C	Res	
£		Feeder	FARREL	01	Gravimetric Feeder		SC	Max Load 80%	Single Screw Extruder Twin Screw Extruder	1	Time	PD-P-001 PD-P-002 PD-W-027 PD-W-031 PD-F-003 PL-F-002			Rerun Process
5		readel	TEK96	02	Gravimetric Feeder			Max Load 80%	Single Screw Twin Screw	-	ııme	PD-F-011 PD-F-016 PD-F-024 PD-F-029 PD-S-002 PL-F-002			Nei uri i Tiocess
6		Mixing	FARREL	01	Kneader		SC	• Max 625 rpm.	• Twin Screw	1	Time	PD-P-001 PD-P-002 PD-W-027 PD-W-031 PD-F-003 PL-F-002			Rerun Process
			FARREL	01	Extrude			• 1,300-2,500 kg./ Hrs. • Temperature Min 100 °C • Temperature Max 250 °C	Single Screw Extruder			PD-P-001 PD-P-002 PD-W-003 PD-W-005 PD-W-008 PD-W-027 PD-W-031			
7		Extrusion	TEK96	02	Extrude			• 700-1,000 kg./ Hrs. • Temperature Min 150 °C • Temperature Max 260 °C	Twin Screw Extruder	1	Time	PD-F-003 PL-F-002 PD-F-011 PD-F-016 PD-F-024 PD-F-029 PD-S-002 PL-F-002			Rerun Process

Responsibility symbol;

△ = Warehouse Operator

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☐ = Production Operator

▲ = Warehouse Manager

● = QC & Lap Manager

= Production Manager

Product Na	me		CONTROL PLAN													
Filler Masterbatch			CONTROL PLAN													
Process Number	Process	Process Name/ Operation Description	Machine, Device,	Characteristics			Special	Methods							Reaction	
	Flow		Jig,Tools For Manufacturing	No.	Product	Process	Char. Class	Product/Process Specification/Tolerance	Evaluation Measurement	Sample		Control Method		Responsibility	plan	
	Main								Technique	Size	Freq.	Manuf.	Q.C	Ŗ		
8		Cooling & Pelletizing	Underwater Pelletizer	01	Visual Control			N-A	• Speed 1,000-2,900 rpm.	N/A	N/A	PD-W-027		┦┋┞	Rerun Process	
			r elletizei	02	Visual Control			N-A	• Speed 600-850 rpm.	N/A	N/A	PD-W-008	LA-P-003	Ī	Rerun Process	
9		Final Test		01	Delta E (Color Shade)			0.5-3.00	Spectrophotometer	1	Chip		LA-W-040 LA-W-041 CIE Lab LA-W-020 LA-W-031		AdJUST	
	\Diamond			02	Dispersion		SC	Visual	Micoscope						Rerun LA-F-006 (QC-Report)	
				03	Homogeneity Contamination			Visual	Magnifier				LA-F-006 LA-F-003 LA-F-005		Add Rerun By Bland	
				04	Moisture			≤ 0.2 %	KARL FISCHER MOISTURE BALANCE				LA-W-019 Sticker			
				05	Bulk Density test			Customer STD Spec	Bulk Density				LA-W-006 LA-W-005			
				06	Density test			Customer STD Spec	Density				LA-W-026 LA-W-009			
				07	Ash Conten			Customer STD Spec	Furnance				LA-W-039 LA-S-011			
				08	Additive Conten			Customer STD Spec	• HPLC				ISO18553 (AS DINEN-			
				09	Filter Value			Customer STD (< 2 bar)	• Filter test				13900-6)			
				10	Dispersion Index		Visual	• Film Blowing								
				11	OIT			Customer STD Spec	• Film Blowing							
10		Packing		01	Weighting			10 g.	Scales Visual	1	Bag	PD-W-028 PD-W-055 PD-F-012 PD-F-018 PD-F-021 PD-F-030 PD-S-002 PL-F-002 Sticker			Rework	

Responsibility symbol;

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□ = Production Operator■ = Production Manager