Product Na	ame					00	SNITE							ക്	นฉบับ
Black Filler	Masterbatc	h				C		ROL PLAN						ŊΙ	עעעע
Process	Process Flow	Process Name/	Machine,Device, Jig,Tools For Manufacturing		Characteristics		Special	Methods						Responsibility	Departies
Number	Flow	Operation Description		No.	Product	Process	Char. Class	Product/Process	Evaluation Measurement	Sample		Contro	l Method	hods	Reaction plan
	Main	Description	Wandracturing	NO.	Floduci	Fiocess	Olass	Specification/Tolerance	Technique	Size	Freq.	Manuf.	Q.C	Res	
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			Return Supplier / Record Incoming Material (WH-F-002)
				02	Weighting			<u>±</u> 1%	• Scales	25 kg.		WH-F-001		\triangle	,
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	IP	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	·			LA-S-003 CIE Lab WH-F-002 Sticker	•	R/M
3		RM/PREPARATION		01	Weighting		SC	• <u>+</u> 0.01 kg./60 kg. • <u>+</u> 0.5 g ./7.5 kg	• Scales	1	Time	WH-W-003 PL-F-002 PL-F-003		\triangle	
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

■ = QC & Lap Manager

□ = Production Operator■ = Production Manager

roduct Name			CONTROL DI ANI													
Black Filler Masterbatch			CONTROL PLAN													
Process	Process Flow	Process Name/ Operation Description	Machine, Device,	Characteristics		Special	Methods						sibility	Reaction		
Number	Main		Jig,Tools For Manufacturing	No.	Product	Process	Char. Class	Product/Process Specification/Tolerance	Evaluation Measurement Technique	Sam Size	ple Freq.	Control Manuf.	Method Q.C	Responsibility	plan	
5		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-065 PD-W-031 PD-F-051 PD-F-011 PD-F-016 PD-F-024 PD-S-002 PL-F-002			Rerun Process	
6		Mixing	FARREL	01	Kneader		SC	• Max 750 rpm.	• Twin Screw	1	Time	PD-P-001 PD-P-002 PD-W-065 PD-W-031 PD-F-051 PL-F-002			Rerun Process	
7		Extrusion	FARREL	01	Extrude			• 1,300-2,700 kg./ Hrs. • Temperature Min 100 °C • Temperature Max 260 °C	Single Screw Extruder	1	Time	PD-P-001 PD-P-002 PD-W-065 PD-W-031 PD-F-051 PD-F-011 PD-F-016 PD-F-024 PD-S-002 PL-F-002			Rerun Process	
8		Cooling & Pelletizing	Underwater Pelletizer	01	Visual Control			N-A	• Speed 250-4,500 rpm.	N/A	N/A	PD-W-065		■	Rerun Process	

Responsibility symbol;

 \triangle = Warehouse Operator

▲ = Warehouse Manager

O = QC & Lap Operator

= QC & Lap Manager

 \square = Production Operator

= Production Manager

Product Na	me					04	SNIT E	OL DI AN							
Black Filler	Masterbatch	1				C	JNIF	ROL PLAN							
Drassas	Process Flow	Process Name/ Operation Description	Machine, Device,	Characteristics			Special	Special	Methods					Responsibility	
Process Number	FIOW		Jig,Tools For Manufacturing	No.	Product	Process	Char. Class	Product/Process	Evaluation Measurement	San	ple	Contro	l Method	suod	Reaction plan
	Main		Manufacturing	INO.	. Floduct Flocess	Class	Specification/Tolerance	Technique	Size	Freq.	Manuf.	Q.C	Res		
9				01	Delta E (Color Shade)			0.5-3.00	Spectrophotometer				LA-P-003 LA-W-040 LA-W-041		AdJUST
		Final Test		02	Dispersion		SC	Visual	Micoscope	1	Chip		CIE Lab LA-W-020 LA-W-031	0	Rerun LA-F-006 (QC-Report)
	$ \diamondsuit $			03	Homogeneity Contamination			Visual	Magnifier				LA-F-003 LA-F-005 LA-W-019 Sticker	•	Add Rerun By Bland
				04	Moisture			≤ 0.2 %	KARL FISCHER MOISTURE BALANCE						
				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-023 PD-F-030 PD-S-002 PL-F-002			Rework

▲ = Warehouse Manager

= QC & Lap Manager

= Production Manager