To: **Ms. Noreen Bianca Lanado - FDT Purchasing**

Supplier Control No.: 19-004

Date: 2/11/2019

Supplier: SPPI

cc:

cc:

☐ Support for the RoHS

SUPPLIER		
	Section	PMC
	Person in charge	T.SELVAN
	Approval	D. dela Justo

4 M Change notification (変更通知書)

Part number	KD04093-Y147	Part name	PANEL
Model	G960	Presence of attached datum and sample	Appending / unappending

■Content of change]

- ☑ Man (Worker's change) — CHANGE OF TRIAL IN-CHARGE
- ☑ Machine (Equipment change) — FROM AB MOULD INJECT TO SPPI INJECT
- ☐ Material (Division of material change)
  - ☐ Support for the RoHS
    (Certificate with a data must be attached) 【 Cr(VI) , Cd, Hg, Pb, PBB, PBDE 】
  - ☐ Material change
  - ☐ End of life (EOL)
- ☐ Method (Work method change)
- ☐ Others ( )

■Change reason] Mold was fabricated in AB MOULD PHILS., transferred to SPPI for mass production.

FDTP		
	Purchasing Section	
	Control Number	PUR-EX-19-MM-0004
	Person in charge	N.B.Lanado
	Approval	M.A.CAYAN-OIC

[Change time]	Evaluation result before hand	Appending / unappending

FDTP Evaluation and Result

FDTP QC Control No.:

Date:

Section	FDTP QCI/QA
Person in charge	
Approval	

→

Section	FDTP PE
Person in charge	
Approval	

→

Section	FTEC PE/QA
Person in charge	
Approval	

4 M Change answer

[Conclusion] Judgment : 4 M Content of change request

☐ Acceptable ☐ Not acceptable

■ [Matters in request]

■ [Opinion and evaluation result]

SANYO PLASTIC PHILS. INC.

110 East Main Ave. SEPZ., L.T.I.
Biñan, Laguna, Philippines

SUMITOMO DEMAG INJECTION MACHINE SET UP SHEET

CAPACITY : 100 TONS | M/C. NO. 45

CONTROL NO.	FDTP-564-45-01	CONTROL NO.	
PART NAME	PANEL R	PART NAME	
PART NUMBER	KD04093-Y147	CUSTOMER	
CUSTOMER	FDTP	CAVITY AMOUNT	
CAVITY AMOUNT	1	WEIGHT PER PIECE	
WEIGHT PER PIECE		SET UP BY:	
SET UP BY:	J. ARANGUREN	SET UP DATE:	
SET UP DATE:	8-Feb-19	EVALUATED BY:	
EVALUATED BY:	J. GALICIA	NOTED:	
NOTED:		APPROVED:	
APPROVED:			

CONTROL NO.		CONTROL NO.	
PART NAME		PART NAME	
PART NUMBER		CUSTOMER	
CUSTOMER		CAVITY AMOUNT	
CAVITY AMOUNT		WEIGHT PER PIECE	
WEIGHT PER PIECE		SET UP BY:	
SET UP BY:		SET UP DATE:	
SET UP DATE:		EVALUATED BY:	
EVALUATED BY:		NOTED:	
NOTED:		APPROVED:	
APPROVED:			

CLAMP CONDITION

APPLIED CLAMPING FORCE	100
OPEN/ CLOSE SPEED	

MOLD OPEN

POSITION		VELOCITY	
LIMIT	240	VLIMIT	25
2ND	150	2ND	30
1ST	60	1ST	10

MOLD CLOSE

CHANGE PARAG			
POSITION		VELOCITY	
1ST	150	1ST	20
2ND	85	2ND	15
MLD.CLMP	1.55	VCLAMP	10
POS.	10	LW PRES	15

EJECTOR SETTLING

	RETRACT	FORWARD 1ST	EJECT
POS.	0	0	60
VEL.	20	20	15
PRES.	20		25

MODE	NORMAL	TIMER CONT.	
EJ.COUNT	1	EJ. KEEP	0.3
EJ. START	PEN LIM	RET. KEEP	0
DELAY	0	RE-EJ. KEEP	0

INJECTION CONDITION

HOLDING/ PACKING

HOLD PRESS. VEL	5
NO. OF STAGES	1

TIME		PRESSURE	
4TH		4TH	
3RD		3RD	
2ND		2ND	
1ST	2	1ST	1000

INJECTION/ FILLING

FILL TIME	8
FILL PRESSURE	1500

POSITION		VELOCITY	
5TH	11	5TH	10
4TH	14	4TH	15
3RD	27	3RD	20
2ND	95	2ND	7
1ST	100	1ST	20
COOLING	20	FILLING	
HOLD		OPERATION	STD
INTERVAL	50	V-P PRES	0
V-P SWITCH	POS. SW	DOSE MODE	STD
HOLDING PRES.		DECELARATING	
OPERATION	STD	PATTERN	

EXTRUDER SETTING

PULL BACK - BEFORE

POS	0 mm	VEL.	25 mm/s

	1ST	2ND	PLAST
POS	OFF	108	110
BCK PRES	OFF	70	60
REV	OFF	100	90
DELAY	ON		

PULL BACK - AFTER

POS	3 mm	VEL.	25 mm/s
DELAY		OFF	
MATERIAL NAME		POM	
GRADE		M90S	
COLOR		BLK	

BARREL TEMP.

T1	220	T4	205
T2	215	T5	200
T3	210		

MOLD TEMP. SETTING

CONTROLLER TYPE			
CORE		CAVITY	
SET	40	SET	40
ACTUAL	35	ACTUAL	35

ACTUAL MONITORING

FILL START	112.99	FILL PEAK	1477
V-P SWITCH	11	CYCLE	41.69
CUSHION	6.62	FILLTIME	5.957
HOLD END	6.62	PLAST TM	19.26

REMARKS

> FLASH TIME= 0.15SEC
> ± 10 % ON PRESSURE, VELOCITY, TIME AND POSITION
> ±10°c ON TEMPERATURE

CLAMP CONDITION
APPLIED CLAMPING FORCE
OPEN/ CLOSE SPEED
MOLD OPEN
POSITION VELOCITY
LIMIT VLIMIT
2ND 2ND
1ST 1ST
MOLD CLOSE
CHANGE PARAG
POSITION VELOCITY
1ST 1ST
2ND 2ND
MLD.CLMP VCLAMP
POS. LW PRES
EJECTOR SETTLING
RETRACT FORWARD 1ST EJECT
POS.
VEL.
PRES.
MODE TIMER CONT.
EJ.COUNT EJ. KEEP
EJ. START RET. KEEP
DELAY RE-EJ. KEEP
INJECTION CONDITION
HOLDING/ PACKING
HOLD PRESS. VEL
NO. OF STAGES
TIME PRESSURE
4TH 4TH
3RD 3RD
2ND 2ND
1ST 1ST
INJECTION/ FILLING
FILL TIME
FILL PRESSURE
POSITION VELOCITY
5TH 5TH
4TH 4TH
3RD 3RD
2ND 2ND
1ST 1ST
COOLING FILLING
HOLD OPERATION
INTERVAL V-P PRES
V-P SWITCH DOSE MODE
HOLDING PRES DECELARATING
OPERATION PATTERN
EXTRUDER SETTING
PULL BACK - BEFORE
POS mm VEL. mm/s
1ST 2ND PLAST
POS
BCK PRES
REV
DELAY
PULL BACK - AFTER
POS mm VEL. mm/s
DELAY
MATERIAL NAME
GRADE
COLOR
BARREL TEMP.
T1 T4
T2 T5
T3
MOLD TEMP. SETTING
CONTROLLER TYPE
CORE CAVITY
SET SET
ACTUAL ACTUAL
ACTUAL MONITORING
FILL START FILL PEAK
V-P SWITCH CYCLE
CUSHION FILLTIME
HOLD END PLAST TM
REMARKS

SPPI

Sanyo Plastic Philippines, Inc.

TO: **Fujitsu Die Tech Corp. of the Phils.**

CERTIFICATE FOR MATERIAL USED

D.R./P.O. No. : _____ QUANTITY : 6

PART NUMBER : KD04093-Y147

PART NAME : PANEL R

MATERIAL USED

MATERIAL GENERIC NAME : POM

MATERIAL DESIGNATION : M90S

MANUFACTURE OF MATERIAL : POLYPLASTICS. CO., LTD

UL94 FLAME CLASS : 94HB

UL FILE No. : E45034

The amount of this product of the regrind materials used is weigth ratio 25% or less according to UL 746 regulations.

We certify the above description.

DATE 12-Feb-19

COMPANY NAME : SANYO PLASTIC PHILS.,INC

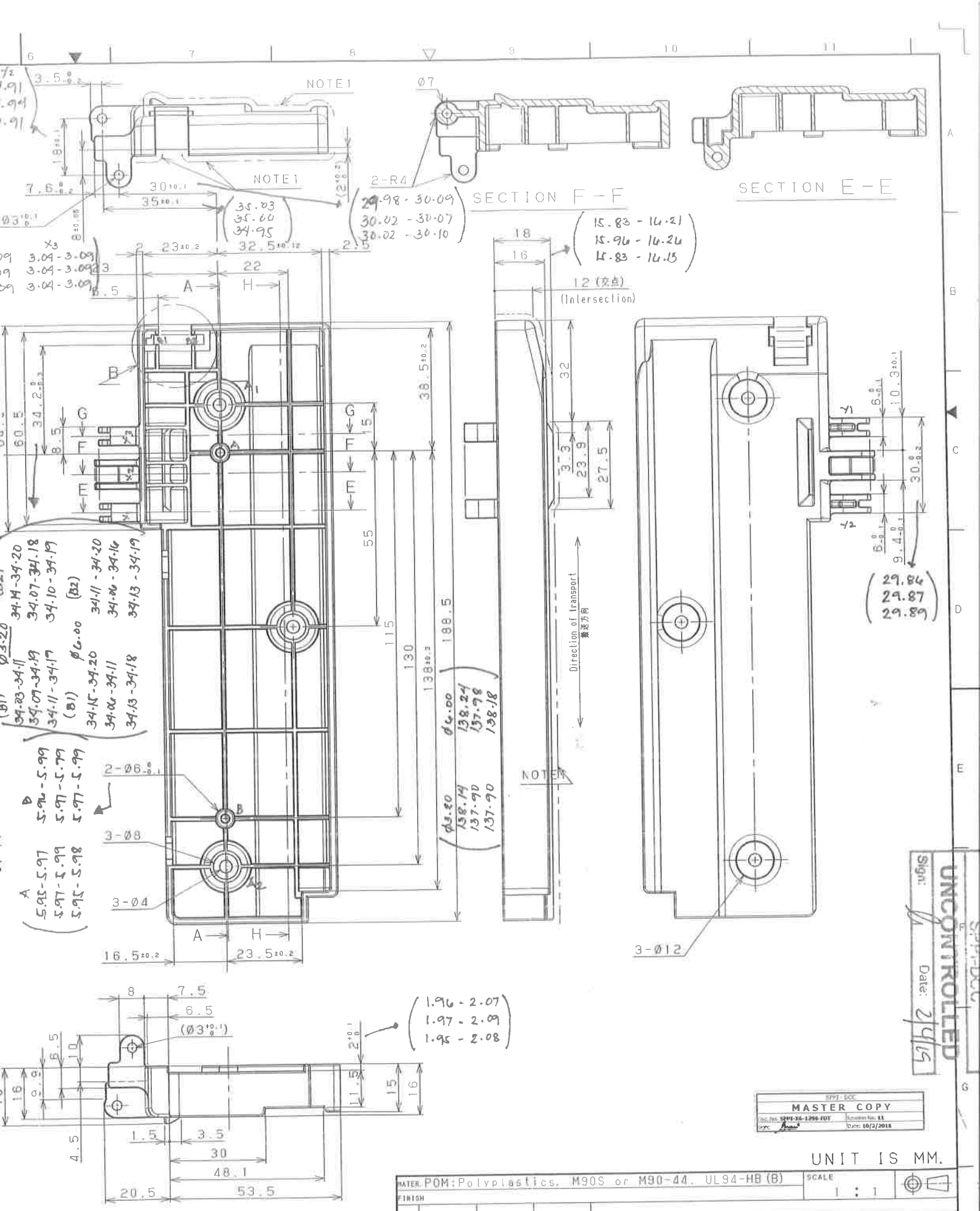
SIGN : MS.M.HERNANDEZ

Supervisor or Manager

(Signature over printed name)

Note: PART NAME can be written as per the drawing
MATERIAL USED shall be stated as per the **"UL Online Certification Directory"**

Revision 03
9/14/2015



UNCONTROLLED
Sign:
Date: 2/4/19

EPVI-ECC
MASTER COPY
Doc.No. SPVI-X6-1296-FDT Revision No. 11
Date: 10/2/2016

Commercial Tolerance								
Dimension	0.5-30	120 or less	315 or less	1000 or less	2000 or less	FN111-10	Class( )	
(metal)	±0.1	±0.15	±0.2	±0.3	±0.5	FN111-11	Metallic sinter, Aluminum alloy casting (Metal mold, Sand mold), Glass processing, Iron casting, Copper alloy casting, Rubber forming, Rubber processing, Sponge forming, Sponge processing	
(resin) ons (metal) oss (resin), tions	±0.15	±0.25	±0.4	±0.5	±0.7			
	±0.2	±0.3	±0.5	±0.8	±1.2	FN111-13	Plastic mold	FN111-14 Die cast
315 or less)								

MATER. POM: Polyplastics, M90S or M90-44, UL94-HB (B)				SCALE 1 : 1	
FINISH					
11	180117	M. IKEDA	N. ISHII	Rewrite	K0218A00066
EDIT.	DATE	DESIG.	APPR.	DESCRIPTION	

NOTE

TITLE: PANEL R

DRAW. NO.: X0KD04093-Y147

CUST.

SECTION	7721	NRN			
DATE	DESIG.	CHECK	APPR.	FUJITSU FRONTECH LIMITED	SHEET
170519	M. IKEDA	K. TAKAHASHI	N. ISHII		

02.7 KDXC-2955-2

SAFETY DATA SHEET(SDS)

Issued: January 18 , 2013
Revised: January 25 , 2016

FileNo. 1001

1.Chemical Product & Company Identification

CHEMICALPRODUCT NAME:	DURACON® M90S CD3069
NAME OF COMPANY:	Polyplastics Co.,Ltd.
ADDRESS:	2-18-1 Konan, Minato-ku, Tokyo,108-8280 Japan
SECTION IN CHARGE:	Quality Assurance Dept.
TELEPHONE NUMBER:	03-6711-8605
FACSIMILE NUMBER	03-6711-8616

2. Hazards identification

[GHS CLASSIFICATION]

Physical and Chemical Hazards	:	·Flammable solids : Classification not possible ·Self-reactive substances and mixtures : Not applicable ·Pyrophoric solids : Not classified ·Self-heating substances and mixtures : Classification not possible ·Substances and mixtures, which in contact with water, emit flammable gases : Not classified ·Oxidizing solids : Not classified ·Corrosive to metal : Not classified
Health Hazards	:	·Carcinogeneses : No hazard ·Specific target organ/systemic toxicity (Repeated exposure) : No hazard
Environmental Hazards	:	Classification not possible
[SYMBOL]	:	None
[SIGNAL WORD]	:	None
[HAZARD STATEMENT]	:	None
[PRECAUTIONARY STATEMENTS]		
Prevention	:	·Wash hands thoroughly after handling. ·Wear protective gloves.
Response	:	-
Storage	:	Avoid direct sunlight and store in a well-ventilated place.
Disposal	:	Dispose of contents/container in accordance with local & national regulations.

3. Composition/information on ingredients

SUBSTANCE/MIXTURE	:	Mixture
COMMON CHEMICAL NAME	:	Polyoxymethylene
SYNONYMS	:	Polyacetal(POM)
INGREDIENTS AND COMPOSITION	:	POM ≧97.5%, Carbon black ≦0.5%, Others ≦2%
CHEMICAL FORMURA	:	
SERIAL No. IN OFFICIAL GAZETTE	:	7-129(base resin) (Law Concerning Examination and Regulation of Manufacture, etc., of Chemical Substances)
CAS No.	:	24969-26-4(base resin)
INGREDIENTS CONTRIBUTING TO THE HAZARD	:	Formaldehyde. Cadmium, lead, hexavalent chromium and mercury are not used in this grade.

4. First-aid measures

INGESTION	:	When a gas generated from the molten polymer has been inhaled, move to area of fresh air without delay and wait until the victim is recovered. If sick feeling continues, ask a physician for advice.
SKIN CONTACT	:	Cool the contacted skin with clean water without delay, if a

		contact with the polymer in a molten form. Do not force to remove the solid resin on the skin. If any burns are observed on the skin, ask a physician for advice.
EYE CONTACT	:	Cool and rinse the eye with clean water for at least 15 minutes when the eyes had contact with molten polymer. In case of wearing contact lenses, remove the lenses as soon as possible, and ask a physician for advice. When the eye had contact with the polymer in an ordinary solid form, rinse the eye with clean water without delay. If the discomfort persists, ask a physician for advice.
SWALLOW	:	Help to vomit as much as possible. If sick feeling continues, ask a physician for advice.

5. Fire-fighting measures

EXTINGUISHING MEDIA	:	Water, foam fire-extinguishing agent, powder fire-extinguishing agent, and carbon dioxide gas.
SPECIFIC METHODS	:	Extinguish the fire with water. A method of extinguishing an ordinary fire may be applied. Do not apply water directly to processing machines.
SPECIFIC HAZARDS	:	Incomplete combustion leads to generation of toxic gases such as carbon monoxide or formaldehyde, in addition to carbonic acid gas and water.
SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS	:	In case the fire gained force, use a gas mask or other protective equipment.

6. Accidental release measures

PERSONAL PRECAUTIONS	:	When pellets were spilled on the road or floor, wipe them off with a besom or cleaner not to cause slipping.
ENVIRONMENTAL PRECAUTION	:	Handle the spillage in accordance with provisions given in the "Resin pellet spillage preventive manual", in order to prevent intakes by marine animals and birds.

7. Handling and storage

HANDLING	:	Polyacetal resin in a pellet form will neither ignite nor explode at room temperatures, but it falls under the inflammables designated by the Fire Service Law. Keep it away from the igniting sources, as it quickly gains force once it is ignited.
HANDLING 2	:	Polyacetal resin in a powdered form is likely to cause dust explosion and is therefore designated in the Guideline for Hazard of Dust Explosion in U.S.Bureau of Mines. Effective earthing means or use of inert gas like N2 are required for dust handling equipment to eliminate static electricity.
HANDLING 3	:	This pellets spilled on the floor are likely to cause slipping. Remove such spillage at any times.
HANDLING 4	:	For molding work, effective means for local exhaust are required to discharge gases generated by melt processing.
HANDLING 5	:	Avoid inhaling of gases generated in molding work. Do not directly touch resin of high temperature.
HANDLING 6	:	Avoid retaining hot resin in the processing machines for many hours.
HANDLING 7	:	Avoid mixed extrusion with strong acid, oxidizing agents and PVC.
STORAGE	:	Keep the substance away from any fire or heat sources for the sake of safe storage.
STORAGE 2	:	This polymer is a synthetic resin designated as an inflammable substance by the Fire Service Law and should be handled in accordance with municipal rules and regulations (concerning fire-fighting equipment, indoor storage, for instance).
RECOMMENDED PACKAGING	:	No information.

MATERIALS

8. Exposure controls/ personal protection

CONTROL CONCENTRATION	:	None at present
PERMISSIBLE CONCENTRATION	:	OSHA PEL/1985 Max. permissible concentration of inactive powder 15mg/m3 – ditto – (Aspiration) 5mg/m3 ACGIH TLV/1992 1993 Exposure limit of the powder TWA 10 mg/m3 (Reference) Human exposure to formaldehyde – Ministry of Health & Welfare/2002 Guideline value 0.08 ppm OSHA Parameter/1992 TWA 0.75 ppm STEL 2 ppm ACGIH TLV/1992 1993 TWA 0.3 ppm
ENGINEERING MEASURE	:	·When handling dust: Use totally enclosed containers resisting dust explosion. ·When heat melted in molding: Effective local ventilation must be provided.
PERSONAL PROTECTIVE EQUIPMENT		
RESPIRATORY PROTECTION	:	Wear a dust-proof mask.
HAND PROTECTION	:	Wear heat-resisting gloves against burns, when handling molten polymer.
EYE PROTECTION	:	Wear protective glasses or goggles.
SKIN & BODY PROTECTION	:	Wear long sleeve clothes against burns, when handling molten polymer.

9. Physical and chemical properties

APPEARANCE etc.	:	Pellet
BOILING POINT	:	Not applicable
VAPOUR PRESSURE	:	Not applicable
VOLATILITY	:	Not applicable
INITIAL BOILING POINT	:	Not applicable
SUBLIMATION	:	None
MELTING POINT	:	165℃
DENSITY	:	1.41
SOLUBILITY	:	Insoluble in water
FLASH POINT	:	320℃ or higher
IGNITION POINT	:	400℃ or higher
EXPLOSION PROPERTY	:	Not applicable
INFLAMMABILITY	:	Inflammable(Designated as inflammable resin by the Fire Service Law)
REACTIVITY WITH WATER	:	None
OXIDIZABILITY	:	None
SELF-REACTIVITY	:	None
DUST EXPLOSIVENESS	:	Upper explosion limit : Not applicable. Lower explosion limit : 35g/m3

10. Stability and reactivity

STABILITY AND REACTIVITY	:	Stable for normal storage or handling.
CONDITIONS TO AVOID	:	Avoid contacts with strong acid, oxidizing agent or PVC under hot melt conditions.
HAZARDOUS DECOMPOSITION PRODUCTS	:	Formaldehyde will be generated when heated (for drying or melting) or burnt.

11. Toxicological information

SKIN CORROSION/IRRITATION	:	No finding.

SERIOUS EYE DAMAGE/IRRITATION	:	Gas generated in drying or melting is irritating eyes and skins.
RESPIRATORY OR SKIN SENSITISATION	:	No finding
ACUTE TOXICITY(INCLUDING LD50)	:	No finding.
SUBACUTE TOXICITY	:	No finding.
CHRONIC TOXICITY	:	No finding.
CARCINOGENECITY	:	This product contains the substance of carcinogenic category 2 in the GHS classification.(CB)
MUTAGENECITY(Micro organisms, chromosomal aberration)	:	No finding.
REPRODUCTIVE TOXICITY	:	No finding.
TERATOGENICITY	:	No finding.
OTHERS(Including generation of hazardous gases by reaction with water, for example)	:	No finding in this report means that there will be no hazard in general, but no proving data available at the time of reporting.
OTHER CAUTIONS	:	With regard to dust, the maximum permissible concentration and limits are fixed by OSHA and ACGIH.
OTHER CAUTIONS 2	:	Formaldehyde will be generated when heated (for drying or melting) or burnt.
OTHER CAUTIONS 3	:	Carcinogenicity class of formaldehyde, which may be generated if overheated. IARC(International Agency for Research on Cancer): Group1
OTHER CAUTIONS 4	:	Toxicological information of Carbon black which is an ingredient is shown below. Toxicity of the ingredient does not appear as product for pellet. When dust is generated by cutting and sanding, toxicity appears. Avoid breathing dust and avoid generating dust. [Carbon black] Acute toxicity Oral: Rat LD50 15,400mg/kg GHS Not classified Dermal: No information Inhalation: No information Skin Corrosion/Irritation: No information Eye Damage/Irritation: No information Sensitization-Skin: No information Germ Cell Mutangenicity: No information Carcinogenicity: IARC 2B; Possible carcinogenic to humans. Toxicity to Reproduction: No information Specific Target Organ Toxicity(Single Exposure) No information Specific Target Organ Toxicity(Repeated Exposure) Category 1 based on the influence on lungs (the hyperplasia of the epithelium, pulmonary fiber symptom) in pneumoconiosis of human and a rat inhalational examination in the range of guidance level Category 1 Aspiration Hazard: No information
REMARKS	:	Hazards information and so on result from the national classification of carbon black.

12. Ecological information

BIODEGRADABILITY	:	No finding.
BIOACCUMULATION	:	No finding.
FISH TOXICITY	:	No finding.
HAZARDS TO OZONE LAYER	:	None

13. Disposal considerations

WASTE FROM RESIDUES	:	This is designated as waste plastics among industrial wastes by the Wastes Disposal Law. Disposal waste pellets through licensed wastes handlers or local autonomous bodies if they are handling wastes disposal.
WASTE FROM RESIDUES 2	:	When disposed by incineration, use the well controlled incinerators in accordance with the Wastes Disposal Law, Air Pollution Control Law and Water Pollution Prevention Law.

14. Transport information

UN CLASSIFICATION NUMBER	:	Not restricted for ICAO/IATA.
OTHER CAUTIONS	:	Handle with care so as not to give damages to containers or not to be subjected to wetting.
OTHER CAUTIONS 2	:	Secure the containers firmly so as not to cause collapsing.

15. Regulatory information

FIRE SERVICE LAW	:	Inflammable synthetic resin Designated quantity: More than 20m3 for the foamed product. More than 3,000 kg for other types.
WASTE DISPOSAL LAW	:	Waste plastics among industrial wastes.
INDUSTRIAL SAFETY AND HEALTH LAW	:	Designated as Cabinet order No.93 Annex 9 No.130.(Carbon black)
OTHERS	:	Formaldehyde is designated as Class 2 substance by the Industrial Safety and Health Law(Regulations concerning hazards caused by specific chemicals) and designated as deleterious substance by the Poisons and Deleterious Substance Control Law. Recommended usage, criteria, and limit values are provided by Japan Industrial Safety and Health Society, OSHA and ACGIH.

16. Other information

HANDLING OF THE DETAILS GIVEN ABOVE	:	This SDS is the English version translated from the Japanese SDS which is prepared for domestic use. Details given above are based on references, information and data available at this moment, but no warranty can be made on exactness of these details. They are also prepared on the assumption that the product will be handled in a normal way. For special handling, adequate safety and environmental measures should be taken in respect to its applications. Our products are not specifically intended for implants for medical and dental applications, and therefore they are not recommended for such applications. "No finding" in this report means that there will be no hazard in general, but no proving data is available at the time of reporting.
WHERE TO CALL FOR FURTHER INFORMATION	:	Polyplastics Co., Ltd. Quality Assurance Dept. Tel. No 03-6711-8605

*DURACON® is a registered trademark of Polyplastics Co., Ltd. in Japan and other countries.

Polyplastics

Polyplastics Co., Ltd.
Quality Assurance Department
18-1, Konan 2-chome,Minato-ku,
Tokyo 108-8280 Japan

No. WR0905003206

5 22, 2009

To SANYO PLASTIC PHILIPPINES, INC.

Material Certification

We certificate that grades mentioned below do not contain the chemicals listed below, which are regulated by EC Directive 2002/95/EC (RoHS directive), beyond the bounds of allowable concentration values judging from its formulation. We do not intentionally use those chemicals,either.

Brand	Grade	Color No.
DURACON	M90S	CD3069

Chemicals	MAC*
1. Cadmium	: 0.01%
2. Lead	: 0.1%
3. Mercury	: 0.1%
4. Hexavalent chromium	: 0.1%
5. Polybrominated biphenyl (PBB)	: 0.1%
6. Polybrominated diphenylether (PBDE)	: 0.1%

* : A maximum allowable concentration value by weight

Polyplastics Co., Ltd.

M. Sugita

Michiyuki Sugita
Manager
Quality Assurance Department

Polyplastics

Polyplastics Co., Ltd.
Quality Assurance Department
JR Shinagawa East Building,
18-1, Konan 2-chome, Minato-ku,
Tokyo, 108-8280, Japan
TEL.: 81-3-6711-8605
FAX.: 81-3-6711-8616

April 16, 2010

To whom it may concern :

3rd proposal for REACH SVHC

Regarding Polyplastics Products sold under DURACON®, FORTRON®, VECTRA®, FREQTIS® and TOPAS®

We confirm that the intentional composition of the above mentioned products do not contain more than 0.1% of the following substances:

No	Substance name	CAS number	EC number
1	Trichloroethylene	79-01-6	201-167-4
2	Boric acid	10043-35-3 / 11113-50-1	233-139-2 / 234-343-4
3	Disodium tetraborate, anhydrous	1330-43-4	215-540-4
		12179-04-3	
		1303-96-4	
4	Tetraboron disodium heptaoxide, hydrate	12267-73-1	235-541-3
5	Sodium chromate	7775-11-3	231-889-5
6	Potassium chromate	7789-00-6	232-140-5
7	Ammonium dichromate	7789-09-5	232-143-1
8	Potassium dichromate	7778-50-9	231-906-6

Polyplastics Co., Ltd.

N. Sugiyama
General Manager
Quality Assurance Department

FOR CUSTOMER USE ONLY

Polyplastics

Polyplastics Co., Ltd.
Quality Assurance Department
JR Shinagawa East Building,
18-1, Konan 2-chome, Minato-ku,
Tokyo, 108-8280, Japan
TEL.: 81-3-6711-8605
FAX.: 81-3-6711-8616

October 20, 2009

To whom it may concern :

Additional proposal for REACH SVHC

Regarding Polyplastics Products sold under DURACON®, FORTRON®, VECTRA®, FREQTIS® and TOPAS®

We confirm that the intentional composition of the above mentioned products do not contain the following substances:

No	Substance name	CAS number	EC number
1	Anthracene oil	90640-80-5	292-602-7
2	Anthracene oil, anthracene paste, distn.Light	91995-17-4	295-278-5
3	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9
4	Anthracene oil, anthracene-low, anthracene fraction	90640-82-7	292-604-8
5	Anthracene oil, anthracene paste	90640-81-6	292-603-2
6	Coarl tar pitch, high temperature	65996-93-2	266-028-2
7	Acrylamide	79-06-1	201-173-7
8	Aluminosilicate, Refractory Ceramic Fibers	-	-
9	Zirconia Aluminosilicate, Refractory Ceramic Fibers	-	-
10	2,4-Dinitorotoluene	121-14-2	204-450-0
11	Diisobuthyl phthalate	84-69-5	201-553-2
12	Lead chromate	7758-97-6	231-846-0
13	Lead chromate molybdate sulfate red (C.I.Pigment Red 104)	12656-85-8	235-759-9
14	Lead sulfochromate yellow(C.I.Pigment Yellow 34)	1344-37-2	215-693-7
15	Tris(2-chloroethyl) phosphate	115-96-8	204-118-5

Polyplastics Co., Ltd.

N. Sugiyama
General Manager
Quality Assurance Department

FOR EXPORT USE ONLY

Polyplastics

Polyplastics Co., Ltd.
Quality Assurance Department
JR Shinagawa East Building,
18-1, Konan 2-chome, Minato-ku,
Tokyo, 108-8280, Japan
TEL.: 81-3-6711-8605
FAX.: 81-3-6711-8616

December 1, 2008

To whom it may concern :

REACH SVHC

Regarding Polyplastics Products sold under DURACON®, FORTRON®, VECTRA®, FREQTIS® and TOPAS®

We confirm that the intentional composition of the above mentioned products do not contain the following substances:

No.	Substance name	CAS number	EC number
1	Anthracene	120-12-7	204-371-1
2	4,4'-Diaminodiphenylmethane	101-77-9	202-974-4
3	Dibutyl phthalate	84-74-2	201-557-4
4	Cyclododecane	294-62-2	206-33-9
5	Cobalt dichloride	7646-79-9	231-589-4
6	Diarsenic pentaoxide	1303-28-2	215-116-9
7	Diarsenic trioxide	1327-53-3	215-481-4
8	Sodium dichromate, dihydrate	7789-12-0	234-190-3
9	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4
10	Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	204-211-0
11	Hexabromocyclododecane (HBCDD)	25637-99-4	247-148-4
12	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5
13	Bis(tributyltin)oxide	56-35-9	200-268-0
14	Lead hydrogen arsenate	7784-40-9	232-064-2
15	Triethyl arsenate	15606-95-8	427-700-2
16	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7

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