

Visit Report

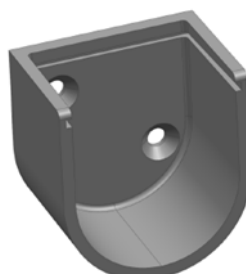
To : MIHI, FUJT
Cc : ZUP, CAAG, FNM, GUOS, LINR, YAVY, GUOC, ZHAI, ZHDA, YANC, LAIC, YATE, MORT, OZAN, ENMA, SASN, SAAM

From : FUJT

Date of visit: 8 Jun. 2023
Date of report: 30 Jan. 2023

Atom Livintec

Participants	:	Atom Livintec	:	Mr. Koji Okamoto (<i>Chief of Special Sales department</i>)
	:	Inabata	:	Mr. Tetsurou Yamaguchi (<i>Business Development Dept.</i>)
	:	EMS	:	H. Mifune, T. Fujii
OEM	:	Atom Livintec		
Sales responsible	:	MIHI		
Distributor	:	Inabata		
Location	:	Tokyo, Japan		
Application	:	Pipe bracket		
Segment Code	:	430		
Project number	:	430-220831-1		
Material	:	Grivory GV-5H		
USP	:	High mechanical properties, Moldability		
Potential	:	30 t/a		
SOP	:	10.2023		



1. Target of visit

To confirm the current situation and the molding trial schedule
To discuss how to get the grey material

2. Summary

- The trial molding tool would be completed on June 20th. Molding trial to get samples will be done in July.
- ECJP will do tensile test with grey color master batch which contains titanium oxide to decide coloring method.

3. Details

Customer & Project information

- The molder is Hinomoto Jyomae China. The trial tool would be completed on June 20th. Molding trials will be done in July. The parts test will be done in August.
- The color is light grey. Atom Livintec accepted the color sample from GV-5H nat + a grey color master batch. The MB is produced by a Japanese toll compounder. They can not provide the MB in China. The trading company, Inabata found a toll compounder, OK Kasei which can produce MB in China. But only MB with titanium oxide can be produced. ECJP will measure tensile strength with the MB to understand decrease by titanium oxide. Inabata

found another compounder in China which can produce MB with zinc sulphide like the Japanese compounder. But the cost is high.

- Regarding Door hanging parts project, Atom Livintec would decide if they build a trial tool for the project by the end of June. Atom said that the possibility of the tool building is high. After the sampling, Atom will do long term parts test (about 10 months).
- Atom Livintec said that the pipe bracket project is important for them. If the plastic parts pass the specification, they will start considering metal replacement for many kinds of parts.

Part & Test Requirement

- Breakage load is same level as current Zinc die-cast model (4000 N)
- Appearance is not changed very much from the current one

4. Actions

No.	Action	Resp.	Due date
1	Tensile test for GV-5H with MB from OK kasei	FUJT	15 Jul. 2023
2	Molding trial support	FUJT	30 Jul. 2023

5. Attachments

No attachment

Best regards,

Takamasa Fujii