


Application Development Center EMS-GRIVORY Answer to Technical Inquiry No.: 2019-0308		
Author:	Gian Cadisch	Date: 09.08.2019
To:	Athi Roongaraya	
Company:	Hitachi Chemical Automotive Products(Thailand) Co.,Ltd.	
Country:	Thailand (TH)	
Material:	BGM-30 X Black 9832	
Application:	Engine cover	

Problem Description / Target of the Customer:

- The customer wants to check accelerated weathering resistance as following information.
- The customer needs to confirm our material performance with no-painting part.

Test:

Accelerated Weathering Resistance

Condition: Test on sunshine carbon weather-o-meter with flesh water being sprayed (12/60 min)

* Black panel temperature 60+-C degree C

* Test time 150 hours

Refer test standard as attach file.

Part: Engine Cover

OEM: ISUZU

Tier1: Hitachi Chemical Automotive Thailand

Material: Grilon BGM-30 X Black 9832

Result / Solution / Proposal:

As explained in the mail on 29.07.2019 to Pierre Heidhoff an Athi Roongaraya, EMS has not the possibility to weather samples with carbon arc sources. Only Japan is still measuring with carbon arc lamps, the rest of the world is aging with Xenon arc, metal halide or fluorescence lamps. At EMS we have Xenon arc and fluorescence lamps for accelerated weathering.

We have proposed to conduct the weathering test according to ISO 4892-2.

The TI is closed because an answer of the customer is missing.