


Application Development Center EMS-GRIVORY Answer to Technical Inquiry No.: 2015-0031		
Author:	Joerg Marquardt	Date: 16.04.2015
To:	Tim Wang	
Company:	FAW-Volkswagen Automotive Company, Ltd.	
Country:	China (CN)	
Material:	XE4139 (TR90UV pianoblack)	
Application:	Air intake grille	

Problem Description / Target of the Customer:

FAW-VW wants to develop a new solution about air intake grille. Currently they are using ABS paint high gloss weather-resistant. They want to find a material which needs painting. FAW-VW tried PMMA and ASA, both of them cannot meet the requirement. They are interested in our TR material.

Result / Solution / Proposal:

As a possible product for this exterior application we recommend Grilamid TR 90 UV black 9231.

Therefore we performed the test VW PV 3929 with 800 h and 1500 h weathering. The material shows no change in appearance.

	Colour difference dE				Gloss 60°	Greyscale
	dE	dL	da	db		
Original					91	5
800h	0.4	-0.1	0.3	-0.2	91	5
1500h	0.4	0.3	-0.1	-0.1	91	5

Here in Domat/Ems we cannot perform the other test "scratch resistance testing of clear coats". As mentioned in an email before, VW will do this test if ECCN pays for it.

Regards
J.Marquardt