

# COMPETENCE FORUM from KraussMaffei, a great communication tool

Competence Forum of 19<sup>th</sup> May 2011

*Report of a wonderful opportunity!*

*Being already referenced in most of EOM for Automotive activities, our material ranges have been seen, during this forum, from their "brut" aspect: granules to their final aspect as injected shape.*

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Useful websites :

[www.multibase.com](http://www.multibase.com)  
[www.kraussmaffei.com](http://www.kraussmaffei.com)  
[www.omya.com](http://www.omya.com)

Number of registered visits during this Forum (19 May 2011) :

**1800 entries**



*Solicited by OMYA (Calcium Carbonate Worldwide Leader and Multibase agent and distributor) but also by KraussMaffei (World's leading manufacturers of machinery), Multibase attended this year to the COMPETENCE FORUM organized by KraussMaffei in Germany.*

## Concept:

KraussMaffei (German Company) is a key player in high technicity for injection molding, reaction processing and extrusion of plastic materials.

As technology partner, KraussMaffei links core process know-how and works yet for decades with design molders. Strong of these experiences, KraussMaffei created few years ago the "COMPETENCE FORUM". This is the opportunity for different corporations to get involved during a day to other specialties.

## 2011 Session :

This year, with a mold created by Technoplast for Odelo, COMPETENCE FORUM has highlighted the advantage of bi-injection processing: one part was made Lustran ABS (from Ineos) and the other bi-injected part was made of Multiflex™ A 1004 B Z4775 N0200 (from Multibase). One of the features of Multiflex™ A 1004 alloy is its excellent bonding on technical polymers (in this specific case on ABS material).

As well, this shape example illustrated perfectly the advantage of bi-injected processing for plastic parts: reduction / optimization of cycle time, integration of function and suppression of assemblage steps.

The end shape was a tail light drop for AUDI vehicle and main characteristics are:

- Clamping force : **250T**
- Screw Diameter: **60 mm x 35 mm**
- Parts: **Bi-injected materials**
- Materials: **ABS Lustran / Ineos  
Multiflex™ A 1004 B Z4775 N0200 / Multibase**
- Shot weight: **60g (ABS) + 18g (Multiflex™)**
- Cycle time: **31s**

## Special thanks :

This experience couldn't happen with the help and great involvement of our agent and distributor OMYA. They have spent time and energy to make this project alive and they really worth it: thank you !  
Special thanks also to KraussMaffei for leveraging our "granules" all along this competence forum 2011.

**KraussMaffei**  
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