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polymotive AWARDS 

## Body Interior



As announced in our last issue of Polymotive we here publish in more detail the SPE Automotive Division Awards 2009 of SPE Central Europe. Accompanying our Benchmarking section about Interior this time we present the awards concerning inter or parts.

<b>Place:</b>	1
<b>Part name:</b>	Rear quarter panel
<b>Innovation:</b>	Size, complexity, material, quality
<b>Vehicle / Year:</b>	Mini Cabrio RS7 / December 2008
<b>Supplier / Material:</b>	Nordenia Deutschland Gronau GmbH: PP-thin-film
<b>Mould maker:</b>	Müller Mocell- und Formenbau GmbH & Co. KG
<b>Machine producer:</b>	Frimo Lotte GmbH
<b>Moulder:</b>	Johnson Controls Interiors GmbH & Co. KG



<b>Place:</b>	1
<b>Part name:</b>	Door panel (more details in the next issue of Polymotive)
<b>Innovation:</b>	Thermoforming of Tepeo 2 film with homogeneous grain pattern, foaming in closed mould with integrated edge folding
<b>Vehicle / Year:</b>	Mercedes E-class (W212) / January 2009
<b>Supplier / Material:</b>	Nordenia Deutschland Gronau GmbH, Benecke-Kaliko AG, Grafe Color Batch GmbH
<b>Mould maker:</b>	Novotec S.p.A., Italy
<b>Machine producer:</b>	Frimo Lotte GmbH
<b>Moulder:</b>	Johnson Controls Interiors GmbH & Co. KG, plant Neustadt/Germany

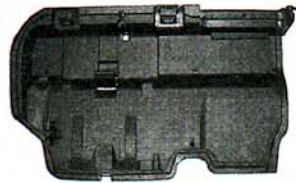
<b>Place:</b>	2
<b>Part name:</b>	Centre console - upper part (see page 22)
<b>Innovation:</b>	Decorative ayer in slush-quality, economically produced using in-mould-coating process
<b>Vehicle / Year:</b>	VW Golf VI / October 2008
<b>Supplier / Material:</b>	Decor layer: Elastogran GmbH, carrier layer: Bayer MaterialScience AG
<b>Mould maker:</b>	Engel Austra GmbH
<b>Machine producer:</b>	Engel Austra GmbH
<b>Moulder:</b>	Key Plastics Europe



<b>Place:</b>	2
<b>Part name:</b>	Lower steering wheel cover E63
<b>Innovation:</b>	Finest tuning between tooling design, material and processing procedure
<b>Vehicle / Year:</b>	BMW 5 and 6 series / May 2007
<b>Supplier / Material:</b>	Bayer: Bayblend T45 & T65
<b>Mould maker:</b>	Potraz Kunststofftechnik GmbH
<b>Machine producer:</b>	Sumitomo (SHI) Demag Plastics Machinery GmbH
<b>Moulder:</b>	Wafa Kunststofftechnik GmbH



**Place:** 3  
**Part name:** Support part and foam carrier (ZSB rear seat)  
**Innovation:** Significant weight reduction and integration of functional components  
**Vehicle / Year:** VW Touareg, Porsche Cayenne / week 22, 2007  
**Supplier / Material:** BASF AG: EFP (Neopolen P9235)  
**Mould maker:** Michel Formenbau GmbH, Volkswagen AG Werkzeugbau  
**Machine producer:** Erlenbach GmbH  
**Moulder:** Bergler GmbH & Co. KG



**Place:** 4  
**Part name:** Complete 2-coloured dashboard  
**Innovation:** Thermoforming of bicoloured Tepeo 2 film with homogeneous grain pattern in large-scale production. High-quality and cost-effective part  
**Vehicle / Year:** Mercedes-Benz GLK-class (X204) / January 2009  
**Supplier / Material:** Benecke-Kaliko AG: Tepeo 2 film  
**Mould maker:** Frimo Lotte GmbH  
**Machine producer:** Frimo Lotte GmbH  
**Moulder:** Johnson Controls Interiors GmbH & Co. KG, plant Grefrath/Germany

**Place:** 5  
**Part name:** 2K window sill trim  
**Innovation:** Mono-sandwich process allows high surface quality and cost reduction  
**Vehicle / Year:** VW Transporter T5 Multivan / January 2009  
**Supplier / Material:** ExxonMobil Chemical Central Europe GmbH: PP (Santoprene)  
**Mould maker:** n/a  
**Machine producer:** Ferromatik Milacron Maschinenbau GmbH  
**Moulder:** ETG Elastorrer-Technik GmbH



## Innovation Award Body Interior

**Place:** 5  
**Part name:** Integrated airbag for knee airbag system  
**Innovation:** Cost and weight reduction, prevention of particle flow, smaller installation space due to combination of airbag and decor  
**Vehicle / Year:** BMW / n/a  
**Supplier / Material:** Takata-Petri AG: Airbag generator, Henkel: Macroplast, Borealis: Xmod GD 302 HP  
**Mould maker:** Frimo Freilassing GmbH  
**Machine producer:** n/a  
**Moulder:** BMW AG, plant Landshut/Germany

