

Automotive Sector

ZPREG® BPS240 – Composite Body Panels

Technology Update

ZPREG BPS240 Automotive Body Panel material is specifically designed to help develop a "Class A" surface from parts moulded from high quality carbon and metal tooling. The resin system has been formulated to offer an extremely stable surface which readily accepts certain low and high bake paint systems.

Since it's successful launch at JEC 2004, the material has been qualified on several mainstream and high performance road car programmes which will be on the road later this year.

BPS240 is undergoing qualification test programmes at the other major European, American and Japanese OEMs, each targeting a specific vehicle programme and exterior applications. The excellent results to date suggest that ACG's ZPREG BPS240 Technology will become the preferred light-weight body panel and exterior trim composite solution for low to medium volume automotive programmes.

The example shown at the European Automotive Components show is a prototype demonstrator from an Audi A6, and highlights the product's mouldability, surface quality, and paintability.



BPS240 panels can be moulded from low cost composite tooling, reducing manufacturing times by as much as 80% compared to traditional advanced composite processes. Further cycle time and cost reductions are available if the material is processed using compression moulding techniques.

Contacts:

Alexander Aucken CEng MIMechE
Automotive Sector Manager
Mob: +44 (0) 7813 203 317
aaucken@acg.co.uk

Nigel Blatherwick
Commercial Director
Tel: +44 (0) 1773 766 200
nblatherwick@acg.co.uk

Advanced Composites Group Ltd
Composites House
Sinclair Close
Heanor Gate Industrial Estate
Heanor, Derbyshire, DE75 7SP
UK

ACG Inc
5350 South 129th East Avenue
Tulsa, OK
74134
USA

www.advanced-composites.com

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of Umeco plc