

Press Release

PITTSFIELD, Mass., Dec. 17, 2012

PC Automotive Glazing Gains Momentum with Launch of Fiat's 500L MPV Using SABIC's LEXAN™ Resin in Rear Fixed Side Windows

SABIC's Innovative Plastics business is marking continued progress in the adoption of its polycarbonate (PC) glazing materials for automotive window applications with Fiat's new 500L multi-purpose vehicle (MPV), which features rear fixed side windows molded from SABIC's clear LEXAN™ GLX resin and black CYCOLOY™ resin. These high-performance SABIC materials help reduce weight by about 35 percent, improve aerodynamic efficiency and achieve the desired styling vs. glass. The Fiat 500L has already launched in Europe and is set to roll out in the United States in early 2013. The rear fixed side windows of the vehicle will be the first in the United States to use two-shot injection compression molding, which allows for the seamless integration of an aerodynamic spoiler. The Fiat 500L windows demonstrate the enabling power of SABIC's PC glazing materials, the practical application of PC glazing in today's mass production vehicles and the continued traction of PC glazing in the automotive industry.

"SABIC's polycarbonate glazing materials and expertise enabled us to achieve all of our goals for the rear fixed side windows of the 500L, including weight-out, sleek aerodynamics and cutting-edge styling," said Carlo Torreggiani with Fiat's Group Materials Labs, Polymers & Glasses department. "Compared to glass, SABIC's glazing materials gave us greater freedom to create the distinctive and desired window shape and promote the aerodynamic efficiency and fuel economy of the vehicle. It is all about maximum style at a minimum cost per mile for our customers, and we will continue to explore the opportunities presented by polycarbonate glazing materials to make further progress."

SABIC's glazing materials help reduce the weight of Fiat's rear fixed side windows by about 35 percent compared to glass, helping the automaker advance its fuel efficiency and emissions reduction goals for the new model.

"Polycarbonate glazing technology and resins are production-ready and are increasingly being adopted by forward-looking automakers like Fiat, and we are pleased to have collaborated with our valued customer on this next chapter of the iconic 500 vehicle series," said V. Umamaheswaran (UV), director of marketing, Automotive, Innovative Plastics. "Polycarbonate glazing is a cutting-edge technology that is viable and available now for automakers. They can use these materials today on their mass-market vehicles to cut weight by up to 50 percent for some parts and, as we see with the Fiat 500L, add value in the flexibility of design and help improve aerodynamics as well. SABIC continues to build upon our already strong know-how in automotive glazing and further

invest in developing LEXAN resin and our advanced EXATEC™ coating systems to support our customers' present and future needs.”

Innovative Molding Approach for Aero Spoiler Integration

SABIC's glazing materials enabled Fiat to overcome the key challenges involved in designing a rear fixed side window adjacent to an aerodynamic spoiler, including gaps between the two parts, different color tones and assembly issues. Integration of the rear fixed side window with the spoiler, made possible with SABIC's PC glazing materials, addressed each of these challenges.

The window uses two-shot injection compression molding to create a seamless part. The crystal clarity of LEXAN GLX resin provides optimal visibility. The black CYCOLOY XCM resin serves as a fade-out band, presents uniform color across the window and spoiler, provides structural functions and contributes to superior dimensional stability in combination with Lexan GLX resin.

To help create this part, SABIC collaborated with Fiat and provided a range of technical expertise, including predictive engineering.

The LEXAN GLX grade, a specialty PC resin, was developed with automotive glazing applications in mind. It delivers high cleanliness, weatherability, easy processing and compatibility with protective coatings. The CYCOLOY grade, a blend of PC and acrylonitrile-butadiene-styrene (ABS) resin, provides superior dimensional stability and excellent aesthetics for this application.

For additional information on SABIC's resins for automotive glazing applications, please go to www.sabic-ip.com. For technical product inquiries, please contact us at www.sabic-ip.com/prtechinquiry.

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PHOTO: Fiat's New 500L Multi-purpose Vehicle (MPV), featuring Rear Fixed Side Windows Molded from SABIC's Clear LEXAN™ GLX and Black CYCOLOY™ Resin

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Notes to Editors

- Brands marked with TM are trademarks of SABIC
- SABIC is a registered trademark of SABIC Holding Europe B.V.
- High-resolution photos are available upon request
- SABIC should be written in every instance in all uppercase.

About SABIC

Saudi Basic Industries Corporation (SABIC) ranks among the world's top petrochemical companies. The company is among the world's market leaders in the production of polyethylene, polypropylene and other advanced thermoplastics, glycols, methanol and fertilizers.

SABIC recorded a net profit of SR 29.24 billion (US\$ 7.80 billion) in 2011. Sales revenues for 2011 totaled SR 189.90 billion (US\$ 50.64 billion). Total assets stood at SR 332.78 billion (US\$ 88.74 billion) at the end of 2011.

SABIC's businesses are grouped into Chemicals, Polymers, Performance Chemicals, Fertilizers, Metals and Innovative Plastics. SABIC has significant research resources with 17 dedicated Technology & Innovation facilities in Saudi Arabia, the USA, the Netherlands, Spain, Japan, India and South Korea. The company operates in more than 40 countries across the world with around 40,000 employees worldwide.

SABIC manufactures on a global scale in Saudi Arabia, the Americas, Europe and Asia Pacific.

Headquartered in Riyadh, SABIC was founded in 1976 when the Saudi Arabian Government decided to use the hydrocarbon gases associated with its oil production as the principal feedstock for production of chemicals, polymers and fertilizers. The Saudi Arabian Government owns 70 percent of SABIC shares with the remaining 30 percent held by private investors in Saudi Arabia and other Gulf Cooperation Council countries.

About Innovative Plastics

SABIC's Innovative Plastics business is a leading, global supplier of [engineering thermoplastics](#) with an 80-year history of breakthrough solutions that solve its customers' most pressing challenges. Today, Innovative Plastics is a multi-billion-dollar company with operations in more than 35 countries and approximately 9,000 employees worldwide. The company continues to lead the plastics industry with customer collaboration and continued investments in new polymer technologies, global application development, process technologies, and environmentally responsible solutions that serve diverse markets such as automotive, electronics, building & construction, transportation, and healthcare. The company's extensive product portfolio includes thermoplastic resins, coatings, specialty compounds, film, and sheet. Innovative Plastics (www.sabic-ip.com) is a wholly owned subsidiary of Saudi Basic Industries Corporation (SABIC).

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