

METAL/PLASTIC HYBRID SOLUTIONS FOR STRUCTURAL COMPONENTS

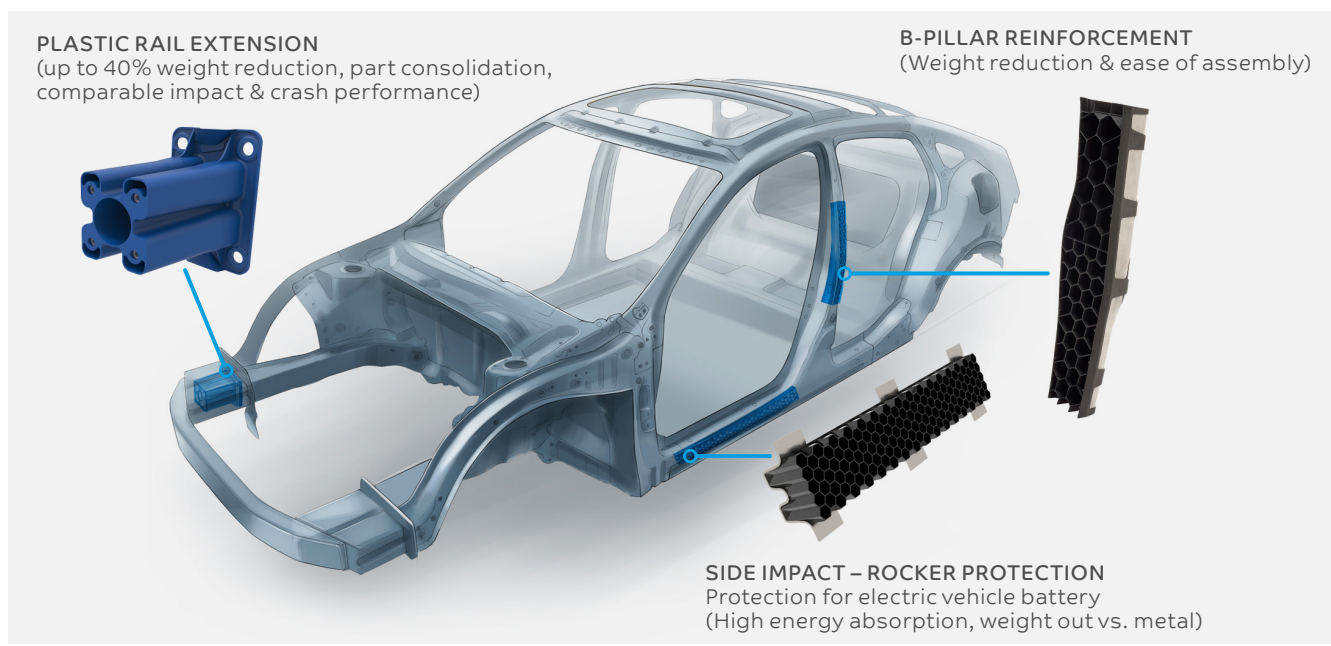
Metal/plastic hybrids are highly engineered solutions for critical structural elements that can help promote vehicle safety. They can provide valuable solutions to a number of situations, allowing for the realization of greater system cost reduction, enhanced design freedom, weight out and better long-term performance. The incorporation of **NORYL GTX™ resin** in metal/plastic hybrids can provide several benefits as mentioned above, beyond many of the traditional automotive materials such as PA6,6 and PBT.

NORYL GTX™ resin is E-Coat process capable and maintains its shape, even while supporting additional loads. Additionally, NORYL GTX™ resin solutions can be up to 20% lighter than other engineering thermoplastics and up to 40% lighter than steel; allowing for lighter parts and superior fuel economy.

NORYL GTX™ RESIN PERFORMANCE ATTRIBUTES

- The resin can withstand a broad range of temperature extremes from 220°C during assembly to -40°C during in-use applications. The higher heat soak capability of up to 220°C for up to 60 minutes helps to ensure mechanical and aesthetic property retention during unexpected down time on a production line.
- Documented ductile low-temperature impact performance to protect critical automotive components by providing superior energy absorption, allowing OEMs to design with less packaging space without sacrificing protection performance.
- Outstanding hydrolysis resistance and dimensional stability vs. PBT, protecting automotive components from polymer breakdown due to moisture exposure, and providing enhanced property retention and dimensional stability vs. PA6 & PA6,6.

SABIC'S NORYL GTX™ RESIN FOR STRUCTURAL COMPONENTS



CONTACT INFORMATION



AMERICAS

SABIC Americas
2500 City West Boulevard
Suite 100
Houston, TX 77042
USA
E productinquiries@sabic.com
T +1-800-845-0600

ASIA PACIFIC

SABIC Shanghai
2550 Xiupu Road, Pudong
Shanghai 201319
China
E asiaproductinquiries@sabic.com
T +86-21-2037-8188

EUROPE

SABIC Bergen op Zoom
Plasticslaan 1
4612 PX Bergen op Zoom
The Netherlands
E webinquiries@sabic.com
T +31 164 292 911



SCAN TO CONNECT WITH US ON [LINKEDIN](#)



DISCLAIMER:THE MATERIALS, PRODUCTS AND SERVICES OF SAUDI BASIC INDUSTRIES CORPORATION (SABIC) OR ITS SUBSIDIARIES OR AFFILIATES (“SELLER”) ARE SOLD SUBJECT TO SELLER’S STANDARD CONDITIONS OF SALE, WHICH ARE AVAILABLE UPON REQUEST. INFORMATION AND RECOMMENDATIONS CONTAINED IN THIS DOCUMENT ARE GIVEN IN GOOD FAITH. HOWEVER, SELLER MAKES NO EXPRESS OR IMPLIED REPRESENTATION, WARRANTY OR GUARANTEE (i) THAT ANY RESULTS DESCRIBED IN THIS DOCUMENT WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN OR APPLICATION INCORPORATING SELLER’S MATERIALS, PRODUCTS, SERVICES OR RECOMMENDATIONS.UNLESS OTHERWISE PROVIDED IN SELLER’S STANDARD CONDITIONS OF SALE, SELLER SHALL NOT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS, SERVICES OR RECOMMENDATIONS DESCRIBED IN THIS DOCUMENT. Each user is responsible for making its own determination as to the suitability of Seller’s materials, products, services or recommendations for the user’s particular use through appropriate end-use and other testing and analysis. Nothing in any document or oral statement shall be deemed to alter or waive any provision of Seller’s Standard Conditions of Sale or this Disclaimer, unless it is specifically agreed to in a writing signed by Seller. Statements by Seller concerning a possible use of any material, product, service or design do not, are not intended to, and should not be construed to grant any license under any patent or other intellectual property right of Seller or as a recommendation for the use of any material, product, service or design in a manner that infringes any patent or other intellectual property right.

SABIC and brands marked with TM are trademarks of SABIC or its subsidiaries or affiliates, unless otherwise noted. © 2021 Saudi Basic Industries Corporation (SABIC). All Rights Reserved. Any brands, products or services of other companies referenced in this document are the trademarks, service marks and/or trade names of their respective holders.