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Novelis

Novelis Launches High-Strength Automotive Aluminum Product for Next-Generation Body Sheet Design

Advanz™ 6HS-s650 gives automakers major advantage in structural vehicle applications

ATLANTA, Aug. 1, 2019 /PRNewswire/ -- Novelis Inc., the world leader in aluminum rolling and recycling, today announced the launch of Advanz™ 6HS-s650, a precisely engineered aluminum automotive body sheet product that exceeds industry standards for strength, lightweighting, formability, performance and structural integrity. It is the strongest 6xxx series product with a 15 to 25 percent in-service strength advantage over incumbent high strength aluminum alloys and exhibits excellent crash behavior and corrosion resistance.



Available globally as part of the Novelis Advanz™ product portfolio, 6HS-s650 demonstrates the company's commitment to collaborating with customers to deliver a variety of strong, formable and lightweight aluminum products that are driving the future of the automotive industry. It is targeted for applications demanding high in-service strength, such as A and B pillars, floors, tunnels, rockers, side impact door beams, bumper beams, roof rail inserts, underbody frames and electric battery enclosures' components.

For many applications, 6HS-s650 enables a reduction of process costs and complexity by eliminating post-form heat treatment while enabling up to 45 percent lighter weight than high strength steels. 6HS-s650 joins effectively with other automotive structural materials and provides longer-term flexibility in the supply chain due to superior shelf life characteristics.


"Automakers demand the highest-strength solutions for substantial lightweighting, and s650 meets that requirement in a very efficient way," said Pierre Labat, Vice President Automotive, Novelis Inc. "By providing a product that is stronger than existing aluminum alloys without sacrificing formability, automotive designers and engineers will have even more flexibility to lightweight the cars, trucks and SUVs of the future."

Recently, Novelis has commercialized 6HS-s650 as part of its Alumineering™ electric vehicle battery enclosure solution and as a structural component for a major electric vehicle platform.

This latest product offering, 6HS-s650, can be easily recycled into new high-strength aluminum products as part of a closed-loop recycling process. This enables Novelis and its customers to maximize the value of the product, reduce CO2 and transportation costs, minimize environmental impact and establish a secure supply chain.

About Novelis

Novelis Inc. is driven by its purpose to shape a sustainable world together. As a global leader in innovative products and services and the world's largest recycler of aluminum, we partner with customers in the automotive, beverage can and specialties industries to deliver solutions that maximize the benefits of sustainable lightweight aluminum throughout North America, Europe, Asia and South America. The company is headquartered in Atlanta, Georgia, operates 23 facilities in nine countries, has approximately 11,000 employees and recorded \$12.3 billion in revenue for its 2019 fiscal year. Novelis is a subsidiary of Hindalco Industries Limited, an industry leader in aluminum and copper, and the metals flagship company of the Aditya Birla Group, a multinational conglomerate based in Mumbai, India. For more information, visit novelis.com and follow us on Facebook at facebook.com/Novelis Inc. and Twitter at twitter.com/Novelis.

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