



BIRLA CARBON

HIGH PERFORMANCE PRODUCTS FOR
MECHANICAL RUBBER GOODS

ADITYA BIRLA



BIRLA CARBON

Our range of high-quality carbon blacks can enable the mechanical rubber goods manufacturers to reach their customer's requirements for excellence in surface finish appearance and product durability.

Rubber applications include sealing systems, belts and hoses, bellows and diaphragms, injection molded parts using thermoplastic elastomers, as well as anti-vibration components, among numerous other rubber goods.

As the world leader in carbon black production, Birla Carbon can offer a variety of product grades and technical support to:



enhance product performance



reduce waste



improve cost effectiveness of our partners

Birla Carbon pioneered the concept of “ultra” clean carbon black technology, setting the standard for carbon black performance in high-precision extruded profiles and molded parts applications. A line of high performance products for mechanical rubber goods has been designed to optimize the value and performance required by our customers, suitable for use in the ever-expanding range of mechanical rubber goods products.

Birla Carbon™ 1001

Surface area: medium-low

Structure: medium

For use in applications requiring ultra clean carbons for excellent surface finish and durability as might be required for dense weatherstrip, dynamic applications or thin-walled, injection molded parts. This product can be used to replace N550 at higher loadings. It can reduce compound costs through easier mixing and better processing.

Birla Carbon™ 1004

Surface area: low

Structure: medium

The combination of structure and particle size allows compounders to produce highly loaded hose or profile compounds with reduced compound costs and excellent processing and surface finish properties. This product also allows for higher compound electrical resistivity versus conventional ASTM grades for situations where electrochemical degradation or galvanic corrosion issues are encountered.

Birla Carbon™ 1029

Surface area: medium-low

Structure: medium-high

For use in applications requiring ultra clean carbons for excellent surface finish and durability as might be required for dense weatherstrip, dynamic applications or thin-walled, injection molded parts. This product can be used to replace N550 at higher loadings. It can reduce compound costs through easier mixing and better processing.

Birla Carbon™ 1031

Surface area: medium

Structure: medium

For use in applications requiring ultra clean carbons instead of N550 for excellent surface finish and durability as might be required for dense weatherstrip, dynamic applications or thin-walled, injection molded parts.

Birla Carbon™ 1034

Surface area: low

Structure: medium-low

For use in applications requiring ultra clean carbons instead of N660 for excellent surface finish and durability as might be required for blown weatherstrip, dynamic applications or thin-walled, injection molded parts.

Birla Carbon™ 1041

Surface area: medium

Structure: low

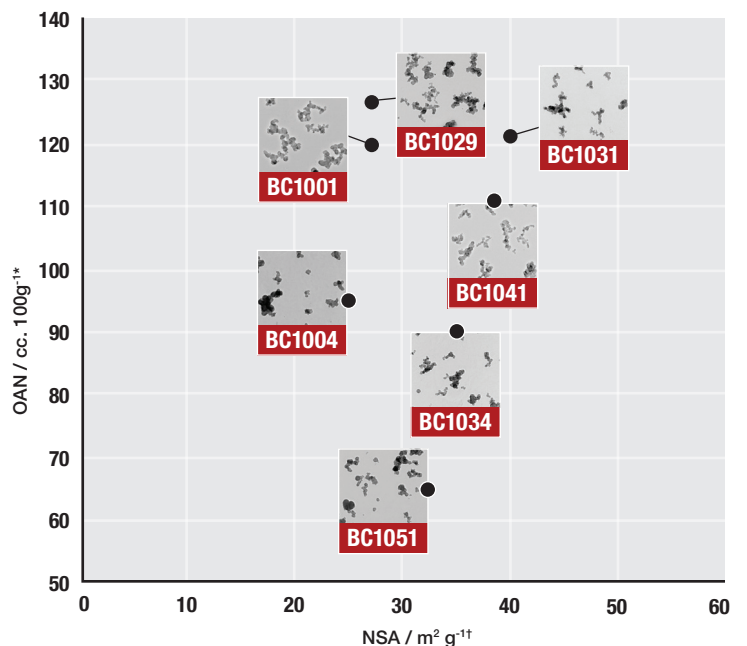
For use in applications requiring ultra clean carbons instead of N539 for excellent surface finish and durability as might be required for dense weatherstrip, dynamic applications or thin-walled, injection molded parts.

Birla Carbon™ 1051

Surface area: low

Structure: low

For use in applications requiring ultra clean carbons for excellent surface finish and durability as might be required in dynamic applications or thin-walled, injection molded parts.

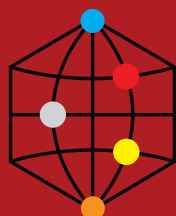


* OAN is oil absorption number

† NSA is nitrogen specific surface area

About Birla Carbon

Birla Carbon is one of the world's largest manufacturers and suppliers of high quality carbon black and a flagship business of the Aditya Birla Group. Our contemporary research infrastructure and state-of-the-art technology centers provide carbon black solutions to leading companies in the rubber and specialty applications sectors worldwide.



**SHARE THE
STRENGTH**

As an ardent practitioner of sustainable development, Birla Carbon's Sustainable Operational Excellence (SOE) strategy focuses on employee safety, environmental stewardship, efficient use of carbon sources and a key focus on conducting operations in a socially and ethically responsible manner. In 2018, Birla Carbon was awarded a Gold level rating for sustainable practices for the third consecutive year by EcoVadis.

Birla Carbon's Purpose, **Share the Strength**, is about balanced and shared leadership, working at the product level to innovate cutting edge solutions, through collaboration with its people, customers and communities and backed by knowledge built over a century.

NORTH AMERICA

Birla Carbon U.S.A., Inc.
1800 West Oak Commons Court
Marietta, Georgia 30062-2253 USA
Phone: +1 770 792 9400

SOUTH AMERICA

Birla Carbon Brazil Ltda.
Rua Guaiaó, 66 - Salas 10/12 a 16 - Bairro Aparecida
Santos, Brazil 11035-260
Phone +55 13 3279-1300

EUROPE, MIDDLE EAST, AFRICA

Birla Carbon Europe GmbH
Podbielskistrasse 160 D-30177
Hannover, Germany
Phone: +49 511 630 890

NORTH ASIA

Birla Carbon (China) Office
509 Room, Far East International Plaza
317 Xian Xia Road, Changning District
Shanghai, China 200050
Phone: +86 21 6259 9126

SOUTH ASIA

Birla Carbon (Thailand) Public Co. Ltd.
888/122, 888/128, Mahatun Plaza, 12th Floor
Ploenchit Road, Lumpini
Pratumwan, Bangkok 10330 Thailand
Phone: +66 2253 6745



www.birlacarbon.com

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