

RELIABILITY+ PERFORMANCE

ELASTOMERS



VISION

To be the preferred world leader in chemicals.

MISSION

To responsibly provide quality products and services through innovation, learning and operational excellence while sustaining maximum value for our stakeholders.

SABIC's businesses are grouped into Petrochemicals, Agri-Nutrients, Metals and Specialties. SABIC has significant research resources with 21 dedicated Technology & Innovation facilities in Saudi Arabia, the USA, the Netherlands, Spain, Japan, India, China and South Korea. The company operates in more than 50 countries with around 34,000 employees worldwide.

SABIC ranks among the world's leading petrochemical companies and is among the world's market leaders in the production of polyethylene, polypropylene and other advanced thermoplastics, glycols, methanol and fertilizers.

POLYBUTADIENE RUBBER (BR)

Polybutadiene Rubber (BR) is a homo-polymer of 1,3-butadiene.

SABIC® BR is a high cis polybutadiene rubber produced using stereo specific Nickel catalyst system and captive feedstock of butadiene.

SABIC® BR is used in major applications in tires and the automotive industry. The product exhibits:

- Excellent abrasion resistance
- High resilience
- Low rolling resistance in tires
- Good resistance to dynamic stress

ETHYLENE PROPYLENE DIENE RUBBER (EPDM)

Ethylene Propylene Diene Rubber (EPDM) is a terpolymer of ethylene, propylene and a non-conjugated diene.

SABIC® EPDM is used in major applications in automotive, industrial, and building and construction. The product exhibits:

- Outstanding resistance to ozone and weather
- Good resistance to heat, oxidation and ageing
- Low temperature flexibility
- Outstanding compression set

APPLICATIONS

TRANSPORTATION



Window sealing
EPDM



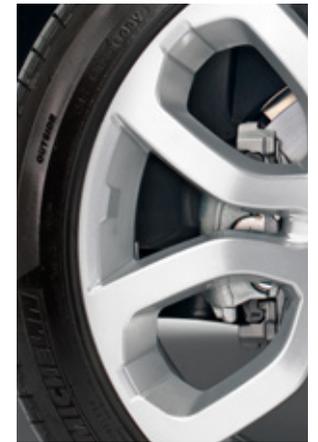
Tires
BR



Belts
EPDM

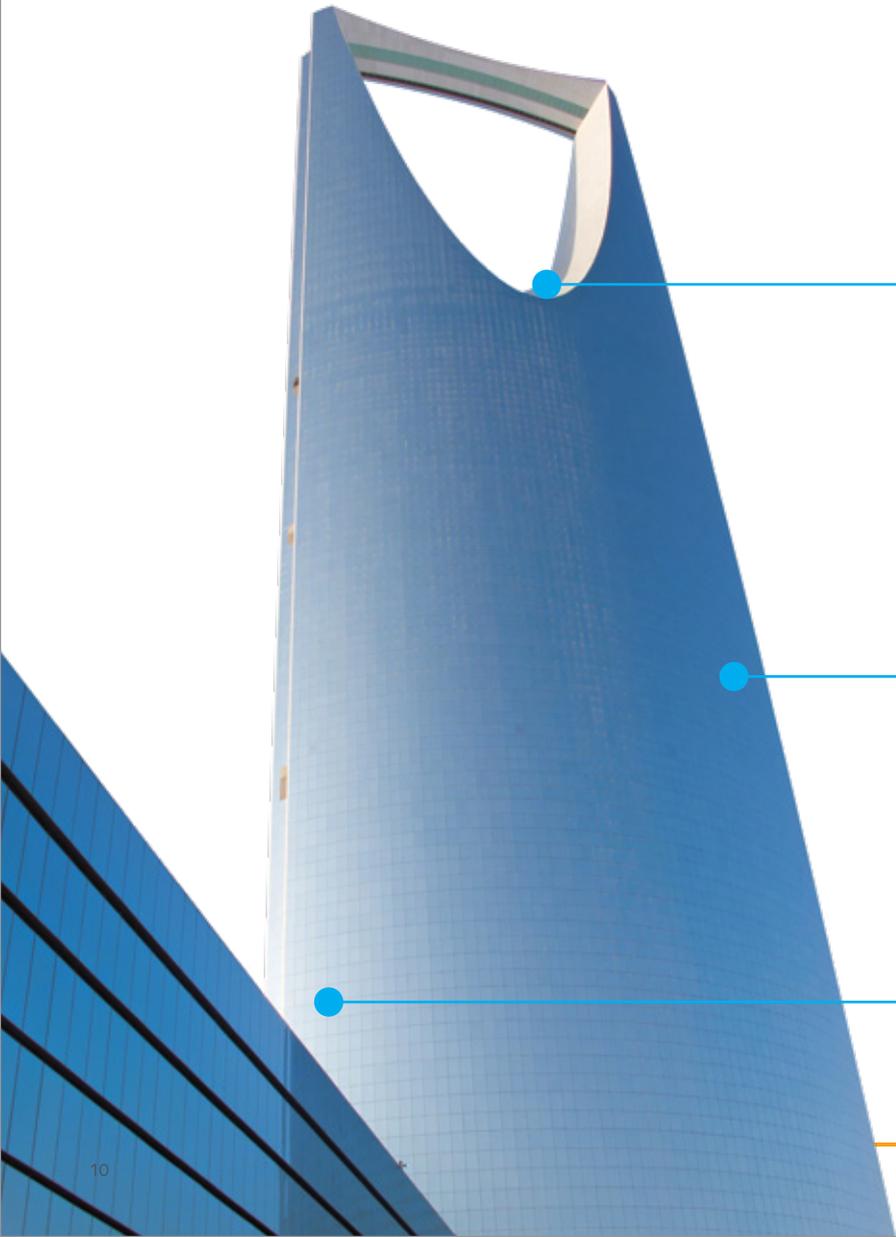


Hoses
EPDM



Brake parts
EPDM

CONSTRUCTION



Roof Sheeting
EPDM



Window Profiles
EPDM



Wire & cable coating
EPDM

HOME & LEISURE



Shoe soles
BR



Washing machine gasket
EPDM

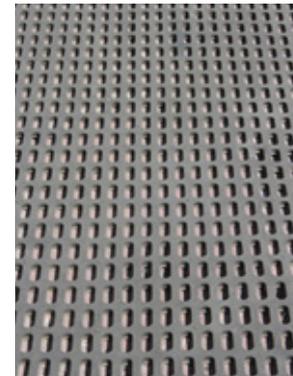


Sports surface
EPDM
BR

INDUSTRIAL



Molded goods
EPDM
BR



Floor mats
EPDM
BR



Conveyor belts
BR
EPDM



Extruded profiles,
hoses
EPDM
BR

SABIC PLASTIC APPLICATIONS DEVELOPMENT CENTER (SPADC)

As part of SABIC's global Technology and Innovation network for customer support and product innovation, SABIC has set up the SABIC Plastics Application Development Center at Techno Valley, King Saud University campus, Riyadh. It is the largest of its kind in the Middle East, fully capable of developing Synthetic Rubber products and supporting customers by providing product and processing solutions.

In addition, SPADC will act as a technical support hub and training center for SABIC's customers around the world and collaborate with local and international customers in developing new polymer applications. It will also support the continued expansion of SABIC's new product portfolio.

WHAT MATTERS ...

At SABIC, the story is not only about our products. The story is about the people who use these products, the people who make these products, and the impact we make on our customers, our stakeholders, and indeed our very society. Our focus is not limited to gaining market share; we believe in growing the market. We do not recruit the top talent; we develop it. We do not look for downstream infrastructures; we create them. We leverage our competitive advantages and distinct competencies to make positive contributions in the largest capacity possible. We believe in win-win situations that make us successful. We do not sell products; we offer solutions.

We call this... Chemistry That Matters™



PRODUCT GRADES

SABIC Grades	Cis 1,4 Content (%)	Mooney Viscosity ¹	Key Applications
SABIC® BR 5510	96 min.	55	Tire (treads, sidewalls, Bead, skim coats) Industrial products, Footwear and others
SABIC® BR 4610	96 min.	46	
SABIC® BR 4010	96 min.	40	

SABIC Grades	Mooney Viscosity ²	Diene Content (%)	Ethylene Content (%)	Key Applications
SABIC® EPDM 657	60	5.0	73	General purpose hose, weather seals, industrial hose
SABIC® EPDM 756	67	2.8	69	Roof sheeting , flexible pond liners and geomembranes
SABIC® EPDM 756	72	5.0	69	Weather seal, auto coolant /air hose, Industrial hoses, wire & cable
SABIC® EPDM 855	80	5.2	55	Industrial gaskets/O rings for pipe/hose, washing machine gaskets.
SABIC® EPDM 245	25	4.5	50	Brake, auto coolant/ air hoses, industrial gaskets/O rings

References:

1. Mooney Viscosity (ML 1+4 @100°C)
2. Mooney Viscosity (ML 1+4 @125°C)

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