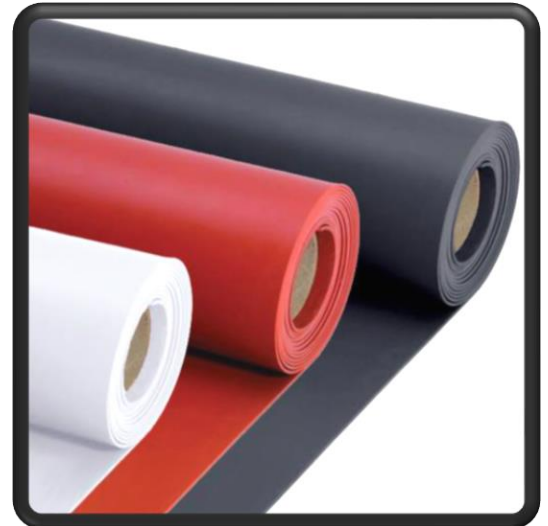


DATA SHEET

RUBBER SBR

It belongs to the family of synthetic rubbers, obtained by polymerizing a mixture of monomers: styrene and butadiene.

Its main application is in the manufacture of tires, and in pavements. This material is considered the simplest of the rubbers, despite the fact that it is the most suitable for installations without chemical aggression, for example, it has good behavior in installations where it will be in contact with water, air and closures with mechanical fastening.



GENERAL PROPERTIES

- Lower degree of resilience compared to natural rubber.
- Excellent mechanical properties.
- Good resistance to aging and temperature.
- Good chemical resistance to many inorganic chemicals, but poor with oxidizing acids.
- Limited resistance to mineral acids.

DATOS TÉCNICOS:

	80°	70°	65°	60°	50°	TEST
DENSITY (g/cm³)	1,49 ± 0,03	1,47 ± 0,03	1,62 ± 0,03	1,16 ± 0,03	1,13 ± 0,03	BS EN ISO 845
HARDNESS Shore A	80 ± 5	70 ± 5	65 ± 5	60 ± 5	50 ± 5	ASTM D2240
ELONGATION (%)	145	150	400	220	220	BS ISO 37
TENSILE STRENGTH (Mpa)	4,0	4,0	4,0	6,5	5,0	BS ISO 37
TEMPERATURE MIN (°C)	-10	-10	-10	-10	-10	
TEMPERATURE MAX (°C)	70	70	70	70	70	
COLOUR	●	●	● ○	●	●	

APLICACIONES

This material is mainly used in sealing gaskets for low loads, supports on structures, protections, stops, and side bands ...

They also have a great use in mining industries, and scrapers and snowplows.

