REDCO™ TRAMPOLINE LINER

REDWOOD PLASTICS AND RUBBER

Redco™ SBR CG60, CG80

TECHNICAL DATA SHEET

SBR CG is a commercial grade of synthetic rubber for general industrial applications, gaskets, belt skirting and wear pads. SBR represents more than half of the synthetic rubber produced in the world. Its goal is to mimic natural rubber, but is entirely derived from synthetic oils. SBR Contains up to 23% Styrene and is a co-polymer of styrene and butadiene. Although its properties are similar to natural rubber, it excels as a low-cost abrasion material for general industrial applications.

COLOUR: BLACK

DUROMETER: 60A, 80A

DESIGNATION: SBR

(Styrene-Butadiene Rubber)

SHAPES: Sheet, strips

SIZES: 1/16” through 1” thick

Property	Specification	Unit	Typical Value 60A	Typical Value 80A
Durometer (Hardness)	ASTM D 2240	Shore A	60 +/- 5	80 +/- 5
Tensile Strength	ASTM D 412	PSI	500 norm.	500 norm.
Ultimate Elongation	ASTM D 412	%	300 nom.	300 nom.
Operation Temperature		°C (°F)	-30ºC to +80ºC (-22ºF to +176ºF)	-30ºC to +80ºC (-22ºF to +176ºF)

Compound	Resistance Result
Diluted Acid	Good
Diluted Alkali	Good
Oil	Poor
Water	Good

CORE ADVANTAGES:

- **Good abrasion resistance**
- **When properly filled/reinforced can attain good mechanical properties, such as tensile strength**
- **Good aging and resistance to temperature & inorganic chemicals**
- **Good impact strength & resilience Economical**

LIMITATIONS:

- **Lower resilience compared to natural rubber**
- **Only moderate resistance to tearing, ozone and weather**
- **Limited resistance to mineral acids, and unsuitable for organic fluids and oxidizing acids**
- **Minimal resistance to oil, gasoline and hydrocarbons**

Impact Resistant

Abrasion Resistant

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