

Neoprene CR/SBR Black 60° Shore A

Filcoflex B.V.'s Neoprene CR/SBR Black 60° Shore A is a rubber material sheet from rolls.

Neoprene CR/SBR Black 60° Shore A is used for a number of purposes, to cut custom gaskets and to make flexible sleeves among other things.

The sheet is a roll material, the roll are 1200mm wide and have 10 meter length.

Neoprene was created in 1930 by DuPont as an air and oil resistant substitute for natural rubber. It was the first mass-produced synthetic rubber. Neoprene is a polymer of chloroprene and is considered a general or all-purpose rubber.

ADVANTAGES:

Neoprene is known for its versatility. It provides good resistance to moderate exposure to ozone, sunlight, oxidation, weather, oils, gasoline, greases, solvents, petroleum oils, animal and vegetable oils, compression set, silicone oil, refrigerants, ammonia, carbon dioxide, water, and steam.

The tear resistance is equal to natural rubber at room temperature; at elevated temperatures tear resistance is poor. Resilience and abrasion strength are good.

LIMITATIONS:

The cost of neoprene is its greatest disadvantage. It is a good multipurpose rubber, but there are other types that offer much better oil, ozone, weather and oxidation resistance at a lower cost when they are used for specific applications. Neoprene has poor resistance to strong oxidizing acids, esters, ketones, chlorinated, aromatic, and nitro hydrocarbons.



General Properties

Name:	Neoprene Black CR/SBR 60° Shore A	
Thickness:	3mm	
Description:	Chloroprene Rubber / Styrene Butadiene Rubber	
Hardness:	60 - 70° Shore A (+/- 5°Shore tolerance)	
Color:	Black	
Specific Weight:	1,4 g/cm ³	
Maximum Elongation:	250%	DIN 53504
Tear Resistance:	5 MPa	DIN 53504
Operating Temperature:	-20 °C to 70 °C -4 °F to 158 °F	
Maximum Surge Temperature:	90 °C / 194 °F	
Air Permeability:	0	
Type of Material:	Sheet on roll, 1200mm (+/- 20mm) x 10000mm	

Pressure Resistance for Flexible Connectors

0,34 Bar / 5.0 PSI For temperatures up to 90 °C / 195°F

Please see "Operating Pressure Guide" for further information.

we recommend using the shortest possible connector for applications where increased pressure and/or high temperature is expected. Please contact us for more information.

Weighing Applications

High volume weight and capacity weighing and dosing applications please see "weighing and dosing guide" for further information.

Chemical Resistance

- Low temperature resistance
- Limited ozone resistance
- Limited acid resistance
- Limited alkali resistance
- Limited CIP resistance
- Limited weather resistance
- Limited oil resistance
- Limited petrol resistance

ATEX & Explosion Safety

No available data

Food Contact Compliancy

Not food contact compliant

Production Methods used

Joining / Bonding:

All seams are overlapped seams, the ends are made thinner before they are overlapped. The overlap seam has a thickness within a +1mm / -0.5mm tolerance compared to the original material thickness.

*seams are grinded before they are glued for a better adhesion

Cutting :

- Stainless Steel knives
- Water Jet

