

## What is SBR?

SBR is a general purpose rubber with very good abrasion resistance, meaning it can withstand wear and tear friction caused by mechanical parts as well as the effects caused by repetitive scraping or rubbing. SBR also shows very good water resistance and has good dynamic properties. The service temperature range of SBR is typically between -40 to 90°C.

## Properties of SBR

- Good wear resistance
- Good thermal resistance

Declarations of conformity	Country	Explanation	Conformity
REACH (EC) 1907/2006	EU		Yes
RoHS	EU		Yes
BfR	DE	food contact	No
FDA	USA	FDA § 177.2600	No
(EG) 1935/2004	EU	food contact	No
(EG) 2023/2006 (GMP)	EU	GMP	No
3-A Sanitary	USA		No
USP	USA		No
ACS	F	drinking water	No
DIN EN 681	EU		No
Kiwa	NL		No

*\*Compliance statements here are only applicable for the standard items showcased in our portfolio. Sigma Polymer Group has the capabilities to tailor products according to your specific conformity requirements.*



Abrasion resistance  
4 - 5



Oil and fuel resistance  
1



Oxidations resistance  
2



Ozone resistance  
1 - 2



Water resistance  
4



Fire resistance  
1

### Resistance grades

- 5 Excellent
- 4 Very good
- 3 Good
- 2 Fair
- 1 Bad