

SBR 70-compound 900001 - Technical Data Sheet

1. Introduction

The ERIKS SBR 70 900001 compound is made of Styrene Butadiene Rubber, the standard quality with good general mechanical properties and low compression set.

2. Product Description

Chemical Composition :	Styrene Butadiene Rubber
Physical form :	O-Rings / Mouldings
Colour :	Black
Storage stability * :	± 5 years

* : Following ISO 2230 conditions

3. Physical Properties

Test Method	Norm	Test Values
Hardness	NFT 46002	70° ± 5° Shore A
Specific Weight	NFT 46030	1,08
Tensile Strength at break	NFT 46002	15,6 MPa
Elongation at break	NFT 46002	570%
Tear resistance	NFT 46033	23,6 N/m
Modul 100%	NFT 46002	2,6 MPa
Compression Set 22h/70°C	NFT 46011	12%
Heat Ageing, 168h/70°C	NFT 46002	
Change Tensile strength		+7%
Elongation Change		-21%

4. Temperature Resistance

- -40° to +80°C

- Very low compression set

5. Chemical Resistance

Alkali	: good
Air	: fair
Alcohol	: good
Fats	: unsatisfactory
Mineral oils	: unsatisfactory
Silicone oils	: excellent
Vegetable oils	: unsatisfactory
Inorganic acids	: fair
Organic acids	: fair
Ketones	: fair
Ethers	: unsatisfactory

6. Advantages

7. Other Information

- Other colours available on request.

This information is, to the best of our knowledge, accurate and reliable to the date indicated. The above mentioned data have been obtained by tests we consider as reliable. We don't assure that the same results can be obtained in other laboratories, using different conditions by the preparation and evaluation of the samples.