

EPDM 70-compound 55985 - Technical Data Sheet

1. Introduction

The ERIKS compound 55985 is a Peroxide cured EPDM-compound with many approvals and compliances. It has improved chemical and thermal resistance compared with sulphur cured EPDM compounds. This material is very suitable for (Chloramine treated) drinking water, food and beverages (incl dairy products) applications.

2. Product Description

Chemical Composition:		Ethylene Propylene Diene Terpolymer, Peroxide cured			
Physical form	:	O-Rings / Moulded parts			
Colour	:	Black			
Odour	:	None			
Storage stability *	:	± 10 years			

^{*:} Following ISO 2230 conditions

3. Physical Properties

Norm	Requirements	Test Values
ISO 48	70±5 IRHD	68
ISO 2781	1,12	1,12
ISO 37	min 10 Mpa	15,2 MPA
ISO 37	min 160%	188%
ISO 815 A	max 15%	14%
ISO 1817		
	±5	1
	±5	0,4
		0,7
ASTM D6284		
		-3
		1,2
		1,4
	ISO 48 ISO 2781 ISO 37 ISO 37 ISO 815 A ISO 1817	ISO 48 70±5 IRHD ISO 2781 1,12 ISO 37 min 10 Mpa ISO 37 min 160% ISO 815 A max 15% ISO 1817 ±5 ±5

4. Temperature Resistance

-45° to +150°C

5. Chemical Resistance

Air : excellent

Alcohol: excellent

Alkali : excellent

Brake Fluids

(Glycol based) : good

Fats : unsatisfactory
Hydrocarbons : unsatisfactory
Ethers : excellent
Esters : unsatisfactory

Acids : fair

Oils (mineral) : unsatisfactory Water : excellent

Steam : good up to 140°C Ozone : excellent

6. Advantages

- Very good Compression Set Resistance
- Good Steam Resistance

7. Other Information

• Approvals: USP Class VI – 121°C DVGW-W270 D1and D2

KTW D1 and D2 NSF 51 and 61

WRAS for cold and hot waterup to 85°C

Compliant to:

3A No. 18-03, ClassIII

EN 681-1

FDA 21 CFR 177.2600

EC 1935/2004 ADI free

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.



















