FRIKS

HNBR 70-compound 88625 - Technical Data Sheet

1. Introduction

HNBR 70-compound 88625 is a hydrogenated Nitrile compound of standard quality for use in the industry. This compound has good chemical and mechanical properties.

2. Product Description

Chemical Composition	n:	Hydrogenat	ed Acrylor	nitrile / B	utadien	e Rubb	er	
Physical form	:	O-Rings / N	louldings					
Colour	:	Black						
Storage stability *	1	± 10 years						
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* : Following ISO 2230 conditions

3. Physical Properties

Test Method	Norm	Test Values	
Hardness	ISO 868	70 ± 5 IRHD	
Tensile Strength at break	ISO 37	24MPa	
Elongation at break	ISO 37	348%	
Compression Set	ISO 815		
70h/20°C		11,2%	
70h/150°C		37,2%	
Air Ageing 168h/150°C	ISO 188		
Tensile Strength Change		+9,3%	
Elongation Change		-26,5%	
Immersion in ASTM oil n°1, 168h/150°C	ISO 1817		
Tensile Strength Change		+2,3%	
Elongation Change		-3,9%	

4. Temperature Resistance

- -30° to +150°C
- TR10 (low temp. resistance): -20°C
- Short time up to 180°C

5. Chemical Resistance

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Alkali		:	very good			
Air		:	excellent			
Alcohol			very good			
Fats		:	excellent			
Mineral oils			excellent			
Silicone oils			excellent			
Vegetable oils			excellent			
Inorganic acids			excellent			
Ketones		1	unsatisfactory			
Ethers		:	unsatisfactory			
Organic a	icids	۰.	fair			
Ozone		:	excellent			

6. Advantages

- · Good compression set
- Standard O-Ring compound
- 7. Other Information
- Good for steam up to 130°C

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.