FRIKS

EPDM 70-compound 55914 PC - Technical Data Sheet

1. Introduction

EPDM 70-compound 55914 PC is an EPDM Terpolymer Peroxide cured. It is a high performance EPDM compound.

2. Product Description

Chemical Composition :		Ethylene / Propylene / Diene Terpolymer						
Physical form	:	O-Rings /	Mouldings					
Colour	:	Black						
Odour	:	None						
Storage stability *	:	10 years						
							27	

* : Following ISO 2230 conditions

3. Physical Properties

Test Method	Norm	Test Values	
Hardness	ISO 48 Method M	70 ± 5 IRHD	
Tensile Strength at break	ISO 37	min 10 MPa	
Elongation at break	ISO 37	min 330%	
Specific Weight	ISO 2781	1,12	
Compression Set	ISO 815		
25% compression - 22h/150°C			
on slab		max 15%	
on O-Ring (3,53 mm)		max 25%	
Heat Ageing 70h/100°C	ISO 188		
Hardness Change		max +12°	
Volume Change		max -4%	
Acetone immersion 46h/23°C	ISO 1817		
after drying 22h/100°C			
Hardness Change		max +3°	
Volume Change		max -2%	
Weight Change		max -3%	

4. Temperature Resistance

- -55° to +150°C
- TR10 (low temp. resistance): -45°C

5. Chemical Resistance

Air	:	excellent		
Alcohol	:	excellent		
Alkali	:	excellent		
Fats		unsatisfactory		
Hydrocarbons	:	unsatisfactory		
Ethers	:	excellent		
Esters		unsatisfactory		
Acids	:	fair		
Oils	1	unsatisfactory		
Water	:	excellent		
Steam	:	good		
		up to 140°C		
Ozone	:	excellent		

6. Advantages

- Very good compression-set
- Excellent steam resistance
- Excellent ozone and weathering resistance

7. Other Information

• See also our compound 55914 which is sulphur cured.

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.

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