

ACM 70-compound 335004 - Technical Data Sheet

1. Introduction

The ERIKS ACM 70 335004 compound is made of Polyacrylic rubber, designed for use in the automotive industry. In conformity with BMW Norm 5662.BMW N 602.00.0.

2. Product Description

Chemical Composition :	Polyacrylic Rubber
Physical form :	O-Rings / Mouldings
Colour :	Black
Storage stability * :	± 7 years

* : Following ISO 2230 conditions

3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 868	70 ± 5 IRHD
Specific Weight	ISO 2781	1,31
Tensile Strength at break	ISO 37	11,2 MPa
Elongation at break	ISO 37	193%
Tear resistance	ISO 34-1	27 N/mm
Modul 100%	ISO 37	5,6 N/mm ²
Compression Set	ISO 815	
22h/150°C		24,6%
70h/150°C		36%
Heat Ageing, 70h/150°C	ISO 188	
Hardness Change		+4,4%
Volume Change		-5,07%
Immersion in ASTM oil n°1, 70h/150°C	ISO 1817	
Volume Change		-3%
Immersion in ASTM oil n°2, 70h/150°C	ISO 1817	
Volume Change		+2,5%
Immersion in ASTM oil n°3, 70h/150°C	ISO 1817	
Volume Change		+12,6%

4. Temperature Resistance

- -10° to +150°C

5. Chemical Resistance

Air	: very good
Alcohol	: unsatisfactory
Alkali	: good
Hydrocarbons	: very good
Esters	: unsatisfactory
Acids	: fair
Oils	: very good
Water	: unsatisfactory
Steam	: unsatisfactory

6. Advantages

- Good compression set
- In conformity with 5662 BMW N 602.00.0