ACM 70-compound 335001 - Technical Data Sheet

1. Introduction

The ERIKS ACM 70 335001 compound is made of Polyacrylic rubber, designed for use in the automotive industry. In conformity with Daimler Chrysler Norm DBL 6038.20.

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	1,32
Tensile Strength at break	ISO 37	10 MPa
Elongation at break	ISO 37	175%
Tear Strength	ISO 34/1 Method A	5 N/mm
Modul 100%	ISO 37	3,7 N/mm^2
Compression Set 22h/150°C	DBL 5555 3.1	27%
Heat Ageing 1008h/125°C	ISO 188	
Hardness Change		+8°
Volume Change		-4,1%
Immersion in ASTM oil n°2, 1008h/125°C	ISO 1817	
Hardness Change		-9°
Volume Change		+8%
Immersion in ASTM oil n°3, 72h/150°C	ISO 1817	
Hardness Change		-10°
Volume Change		+7%

4. Temperature Resistance

- -10° to +150°C
- low temperature ASTM D 2173: -13°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 DBL 6038.20