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TECHNICAL DATA SHEET

ergo® 3010 Super RTV-Silicone BLACK

Highest resistance against motor- and gear oils as well as glycol mixtures.
Especially for automotive applications.

Typical applications:

-Admission system, -water pumps, -oil pumps -front cover
-camshaft bearing cover, -thermostat case, -oil pan, -gear cover
-driving axle cover

Characteristic features in liquid condition:

Chemical basis:	modified oxim silicone
State:	black, thixotropic paste
Density:	1,28 g/cm ³
Extrusion rate:	
(at 25°C, 6 bar, 3.2 mm opening)	> 1000 g/min.
Ignition point:	315°C

Typical characteristics in hardened condition:

Tensile shear strength (EN 1465):	2.2 N/mm ²
Ductile yield (ASTM-D-412):	280%
Hardness (Shore A) (ASTM-D-676):	40
Shrinkage:	< 3%
Skinning time (ASTM-D-4678):	7 Minutes
Curing process:	~2mm/ 24h at 50%rF

Temperature range:	-60°C up to +260°C shortly up to +315°C
Thermal conductivity (ASTM D-2214/70)	0,002 Jcm ⁻¹ s ⁻¹ K ⁻¹
Coefficient of elongation (ASTN EB-31)	20 x 10 ⁻⁵ K ⁻¹

Dielectric constant @ 1 MHz (ASTM D-150)	2,8
Loss factor @ 1 MHz (ASTM D-150)	0,002
Breakdown voltage (ASTM D-149)	16 kV/mm
Specific volume resistance (ASTM D-257)	10 ¹⁵ Ω/cm

Shelf life	1 year in cartridges 2 years in metal tube or can
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satisfies the specifications:

GM 1052751,1052917 **Ford** D6AZ-19562-B **Chrysler** 4318025 **FIAT** 9.55720/B

The information in this catalogue is based on the results of our research and experience. However, the suggestions herein concerning the use, application, and processing of the products (collectively, „the methods“) **are non-binding recommendations only**. It is the user's sole responsibility to determine the suitability and safety of these methods, based on the user's particular purpose in using the products.

Before relying on the reliability and safety of any parts that are bonded using the products, it is extremely important that the user test the reliability and safety of the parts that are bonded. Failure to do so could result in serious personal injury.

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