

Material

80 FKM 610

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Revision Date
 09.11.2017

General Data

 Colour: brown
 Type of cross-linking: Bisphenol cure system

Physical Properties	Nominal Range	Typical Value	
Density DIN EN ISO 1183-1	2.1 ±0.03	2.1	g/cm ³
Hardness DIN ISO 7619-1	80 ±5	83	Shore
Micro hardness DIN ISO 48 Verfahren M	80 +5 /-8	82	IRHD
Rebound resilience DIN 53512	>3	6	%
Modulus 100 %, DIN 53504, S2, 23 °C	>8	10.5	MPa
Tensile strength DIN 53504, S2	>10	13.6	MPa
Elongation at break DIN 53504, S2	>120	145	%
Compression set DIN ISO 815, B, 22 h, 175 °C	<25	15	%
Compression set DIN ISO 815, B, 24 h, 200 °C	<30	18	%
Glass transition temperature DIN 53765, nach DSC	<15	-19	°C

Temperature Range

 static: -40 to 200 °C
 dynamic: -25 to 200 °C

The given values are based on a limited number of tests on standard test pieces (2mm sheets) produced in the laboratory. The data from finished parts can deviate from above values depending on the manufacturing process and the component geometry. The data represents our present empirical values. It is incumbent on the person placing the order to examine whether it is suitable for its intended purpose, before using the product. All questions regarding the guarantee of this product are in line with our terms and conditions, inasmuch as statutory provisions do not plan for something else.

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