

Material

75 Simriz 485

Revision Index
 05

Revision Date
 15.06.2015

General Data

 Colour: black
 Type of cross-linking: Peroxidic

Physical Properties

	Nominal Range	Typical Value	
Density DIN EN ISO 1183-1, 23 °C	2.01 ±0.03	2.01	g/cm ³
Hardness ASTM D2240, Shore A, 23 °C	75 ±5	76	Shore
Modulus 100 %, ASTM D1414, 23 °C		5.7	MPa
Tensile strength ASTM D1414, 23 °C	>12	18.5	MPa
Elongation at break ASTM D1414, 23 °C	>140	195	%
Compression set ASTM D395, B, 70 h, 200 °C, 25 %	<30	23	%
Compression set ASTM D395, B, 500 h, 200 °C, 25 %		31	%
Compression set ASTM D395, B, 1000 h, 200 °C, 25 %		40	%
Compression set ASTM D395, B, 70 h, 250 °C, 25 %		45	%
Low temperature ASTM D1329, TR10		-4	°C

Temperature Range

 static: -15 to 230 °C
 static short term: up to 260 °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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