

Material

70 EPDM EP703902

Version
02

Released on
19.01.2023

General Data

Colour: black
 Type of cross-linking: Sulfur

Physical Properties

	Nominal Range	Typical Value	
Density ASTM D 2781 A	1.13 ±0.03	1.12	g/cm ³
Hardness ASTM D 2240, Shore A	70 ±5	68	Shore
Tensile strength ASTM D 412		13	MPa
Elongation at break ASTM D 412		510	%
Tear strength ISO 34-1 C		75	KN/m
Tear strength ISO 34-1 B		30	KN/m
Low temperature ASTM D 1329, TR10		-35	°C
Low temperature resistance ASTM D 2137, Brittleness		-50	°C
Compression set ASTM D 395, B, 22 h, 100 °C		18	%
Compression set ASTM D 395, B, 70 h, 100 °C		40	%
Compression set ASTM D 395, B, 22 h, 70 °C		13	%
Compression set ASTM D 395, B, 70 h, 70 °C		18	%
Ozone Resistance ISO 1431-1, 40 °C, 70 h, 200 pphm, pass		0	

Temperature Range

static: -50 to 110 °C
 static short term: up to 125 °C

This data sheet supersedes all previous versions. The content is subject to change without prior notice. 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.

Print date: 20.10.2025