

Material

75 FEPM V175

Revision Index
02

Revision Date
25.07.2018

General Data

Colour: black
Type of cross-linking: Peroxidic

Physical Properties	Nominal Range	Typical Value	
Density ASTM D297, 23 °C		1.52	g/cm ³
Hardness ASTM D2240, Shore A, 23 °C	75 ±5	79	Shore
Tensile strength ASTM D1414, 23 °C	>11	12.6	MPa
Elongation at break ASTM D1414, 23 °C	>150	203	%
Compression set ASTM D395, B, 22 h, 175 °C, 25 %	<35	17.1	%
Compression set ASTM D395, B, 168 h, 175 °C, 25 %	<50	45.6	%
Compression set ASTM D395, B, 22 h, 200 °C, 25 %	<35	21.1	%
Low temperature ASTM D1329, TR10	<4	2	°C
Density DIN EN ISO 1183, 23 °C		1.54	g/cm ³
Low temperature resistance ASTM D2137, Brittleness	<-35	-39	°C
Hardness DIN ISO 7619-1, Shore A, 23 °C		77	Shore
Modulus 100 %, DIN 53504, S2, 23 °C		10.6	MPa
Tensile strength DIN 53504, S2, 23 °C		16.8	MPa
Elongation at break DIN 53504, S2, 23 °C		195	%
Compression set DIN ISO 815, B, 24 h, 200 °C, 25 %		31	%

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: 29.04.2025