

Material test report FKM 75

Material

Material

Property	Unit	Test method	Test parameter	Value
Hardness	Shore A	ASTM D 2240		77 +3/-2
Tensile strength	MPa	ASTM D 412		14,9
Ultimate elongation	%	ASTM D 412		183
Modulus at 100%	MPa	ASTM D 412		6,2
Specific gravity	g/cm ³	ASTM D 297		1,85
Compression set	%	ASTM D 395 B	22h / 200°C	22
Low temp. resistance	°C	ASTM D 1329	TR10	-17

Changes of properties after ageing

Medium	test method	time	Temperature	Hardness	Tensile strength	Ultimate elongation	Volume
		h	°C	Points	%	%	%
Air	ASTM D 573	70	250	+1	-13	-2	
ASTM fuel C	ASTM D 471	70	23	-4	-21	-7	+4
ASTM 101 service liquid	ASTM D 471	70	200	-10	-15	-6	+13

The above indicated data were determined to the best knowledge according to modern laboratory standards on standardised test specimen. If these data are compared with data which were determined on finished parts it may come to variations.