

Material test report FKM 80

Property	Unit	Test method	Test parameter	Value
Hardness	Shore A	ASTM D 2240		77 +3/-2
Tensile strength	MPa	ASTM D 412		11,3
Ultimate elongation	%	ASTM D 412		181
Specific gravity	g/cm ³	ASTM D 297		2,17 ±0,03
Compression set	%	ASTM D 395 B	22h / 200°C	11
Low temp. resistance	°C	ASTM D 1329	TR10	-17

Changes of properties after ageing

Medium	Test method	Time	Temperature	Hardness	Strength	Ultimate elongation	Volume
		h	°C	Shore A	%	%	%
	ASTM D 573	70	250	+2	-2	-7	
ASTM fuel C	ASTM D 471	70	23	-3	-5	-12	+4
ASTM service liquid 101	ASTM D 471	70	200	-6	-10	-4	+12

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.