

Material Datasheet

FKM 03A

Description: The black FKM F03A is a standard FKM with a good resistance in oils. The operating temperature is between -20°C to +200°C.

Colour	black	Curing	bisphenolic
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Typical Physical Properties:

Properties	Typical Values	Test Standard
Hardness	75 +/-5	ASTM D 2240
Density (g/cm ³)	1,85 +/- 0,03	ASTM D 297
Elongation at Break (%)	183	ASTM D 412
Tensile Strength (MPa)	14,9	ASTM D 412
Compression Set, 22 h, 200°C (%)	22	ASTM D 395B
Modulus @ 100% (MPa)	6,2	ASTM D 412
Minimum operating Temperature TR10 in °C	-17	ASTM D 1329

The specified characteristic values are average values and were determined on standard test specimens in accordance with the corresponding standards. They must not be used as specification values and are not directly comparable with the characteristics of the finished part. In particular, the user is not exempted from checking the suitability of the products for the intended use case.

Property Changes after Aging:

Medium	Proof Method	Time	Temperature °C	Hard - ness	Tensile Strength %	Elongation at Break %	Volume
Air Aging	ASTM D 573	70	250	+1	-13	-2	
ASTM fuel C	ASTM D 471	70	23	-4	-21	-7	+4
ASTM 101 / Oil	ASTM D 471	70	150	-10	-15	-6	+13

For further information, please feel free to contact us.

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