

Material Datasheet

FKM F70G-FDA

Description: The black FKM F70G-FDA is a special FKM for applications in the food and pharmaceutical industries. It has all the necessary approvals and certifications. The operating temperature is between -25°C to +200°C.

Colour	black		Curing	
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Typical Physical Properties:

Properties	Typical Values	Test Standard
Hardness	70 +/-5	ASTM D 2240
Density (g/cm ³)	2,02 +/- 0,03	ASTM D 297
Elongation at Break (%)	180	ASTM D 412
Tensile Strength (MPa)	13	ASTM D 412
Compression Set, 24 h, 200°C (%)	18	ASTM D 395B
Compression Set, 70 h, 200°C (%)	24	ASTM D 395B
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	+2	+8	-5	

Approvals and Certifications:

USP Class VI (87-88)
 FDA CFR 21 – 177.2600 food a-f
 3A Sanitary Standard, number 18-3 conform
 EC 1935/2004 Artikel 3
 EC 2023 / 2006 (GMP Compliance)
 ROHS 2011/65/EU and 2015/863/EU
 REACH (EC) No 1907/2006
 DEHP, Phthalate free
 ADI free
 BSE / TSE free

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