

FKM70 (V70) datasheet

MATERIAL	A standard grade FKM extrusion compound for all-purpose use is FKM 70 514308.
DESCRIPTION	Compared to conventional fluoroelastomers, the innovative FKM polymers utilized to make FKM O-rings have a substantially wider tolerance profile to fluids. FKM O-rings can be divided into many groups according to their chemical components, fluorine content, or crosslinking technique. The FKM O-rings can withstand steam, acids, aromatic hydrocarbons, bases, and ketones in addition to these other substances.
APPLICATION	In both static and slow, dynamic applications, you utilize this black FKM for edibles. It is primarily employed in situations where strong acids, bases, oils, and greases are present. High temperature resistance is another feature.
TEMPERATURE	The temperature range is between -25°C and 260°C

Maximum and minimum temperature can be adjusted conform application. For limitations for special applications, please contact AST

PHYSICAL PROPERTIES	TEST METHOD	UNIT	VALUE
Basic polymer	ISO 1629		FKM
Hardness	DIN 53505	Shore A	70 +/- 5
Colour			Black
Specific gravity	DIN & ISO 1183-1	g/cm ³	1,96 +/- 0,05
ASTM code	D2000 / SAE J200		M 2 BG 714 B14 EA14 EO14 EO34 EF11 EF21 F17
Temperature range		°C	-25 / 260
Storage stability	ISO 2230		± 7 years

The above values are typical

The information in this datasheet is based on many years of experience in the application of FKM. However, unknown parameters and conditions may restrict general statements during usage. It is vital that users satisfy themselves as to the suitability of individual products through adequate testing. For this reason and due to the wide range of applications of our products, AST B.V. can accept no liability as to the suitability or correctness of our recommendations in individual cases. The application limits for pressure, temperature and velocity given in this datasheet are maximum values determined in the test laboratory. During practical applications it should be remembered that due to the interaction of the operating parameters, the maximum values must be set correspondingly lower. For exceptional operating conditions, please contact us.