

FKM60 (F60) FDA Black datasheet

MATERIAL	FKM 60 Shore FDA Black ASTM D 2000 M2 HK 612 A1-10 B37
DESCRIPTION	Low compression set FKM O ring grade Copolymer with 66% fluorine content Cure system is Bisphenol FDA compliant to CFR 21-177-2600 & European regulation EC1935/2004
APPLICATION	Encapsulated Seals Extrusions (cords/profiles/tubes) Hot Vulcanised O rings & Profiles Inflatable Seals Moulding (custom/O rings)
TEMPERATURE	The temperature range is between -25°C and 250°C

Maximum and minimum working temperature is depending on the specific application criteria

PHYSICAL PROPERTIES	TEST METHOD	UNIT	VALUE
Elongation (Dumbbell)	DIN53504	%	409
Hardness	DIN53 505	Shore A	63 +/- 5
Colour			Black
Specific gravity	DIN53479	g/cm ³	1.99 +/-0.05
Tensile Strength	DIN53504	Mpa	12
Compression set 212°F (100°C) (slab)	DINISO815 (B)	%	6.8
Storage stability	ISO2230		± 7 years
Maximum and minimum temperature can be adjusted conform application. For limitations for special applications, please contact AST			

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.