

FKM75 (V75) datasheet

MATERIAL	Highly fluorinated polymers called fluoroelastomers or fluorocarbons (FKM), sometimes referred to as Viton®, are suited for long-term use at high temperatures. There are different grades available, including terpolymers and copolymers. Tetrafluoroethylene, hexafluoropropylene, and vinylidene fluoride are the three most popular grades.
DESCRIPTION	Due to its strong performance qualities and wide range of applications in both static and slow, dynamic applications, this black FKM is well-liked. The product is extensively employed in the hydraulics, chemicals, and general industrial sectors. For the food sector, FKM 75 is a preferable solution.
APPLICATION	The chemical, automotive, aerospace, and energy industries all employ fluoroelastomer chemicals extensively. In particular demanding settings, they are utilized for hoses, diaphragms, accumulator bladders, gaskets, O-rings, and seals.
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

Properties

PHYSICAL PROPERTIES	TEST METHOD	UNIT	VALUE
Basic polymer	ISO1629		FKM
Hardness	DIN53505	Shore A	75 +/- 5
Colour			Black or brown
Specific gravity	DIN & ISO1183-1	g/cm ³	1,96 +/- 0,05
ASTM code	D2000 / SAEJ200		M 2 BG 714 B14 EA14 EO14 EO34 EF11 EF21 F17
Temperature range		°C	-25 / 260
Storage stability	ISO2230		± 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