

FKM Fluoroelastomer Next Generation

FKM (Fluoroelastomer, formerly FPM) has excellent temperature resistance from -34°C (-29°F) to 204°C (399°F) and high chemical stability. FKM has very good resistance to ozone, oxygen, mineral oils, greases and non-polar media. FKM gaskets are not suitable for use in polar solvents such as amines and ketones. FKM is suitable for a variety of applications, however the service life of the gaskets should always be considered depending on the application parameters and process requirements and a preventive maintenance program should be implemented. For more aggressive media, a PTFE quality should be used for safety reasons.

MAIN SEGMENTS

- Pharmaceutical
- Food

CERTIFICATES/DECLARATIONS

- 3A Sanitary Standard 18-03 Class I
- EC1935/2004
- EC2023/2006 (GMP)
- FDA 21 CFR177.2600 (Formulation & Extraction)
- FDA 21 CFR174.5 (cGMP)
- USP Class VI <87>, <88> (121°C)
- ADI free (EMEA 410/01)

KEY BENEFITS

- Suitable for SIP and CIP
- Laser marked by default
- Lot number for full and easy traceability
- Material Identification
- Perfect cleanability
- Excellent chemical resistance
- Wide temperature range
-34°C (-29°F) to 204°C (400°F)
- Exceptional flexibility
- High Dimensional Stability



FKM Fluoroelastomer

Gasket Dimensions and Item Numbers

DIN11850/10357 (DIN32676: Row A) (Pipe connection DIN 11866 Row A)			
Item No.	DN	ID (mm)	OD (mm)
DIN32676-06-FKM-NG-LE	06	4,2	21,8
DIN32676-08-FKM-NG-LE	08	6,2	21,8
DIN32676-10-FKM-NG-LE	10	10,2	34
DIN32676-15-FKM-NG-LE	15	16,2	34
DIN32676-20-FKM-NG-LE	20	20,2	34
DIN32676-25-FKM-NG-LE	25	26,2	50,5
DIN32676-32-FKM-NG-LE	32	32,2	50,5
DIN32676-40-FKM-NG-LE	40	38,2	50,5
DIN32676-50-FKM-NG-LE	50	50,2	64
DIN32676-65-FKM-NG-LE	65	66,2	91
DIN32676-80-FKM-NG-LE	80	81,2	106
DIN32676-100-FKM-NG-LE	100	100,2	119
DIN32676-125-FKM-NG-LE	125	125,2	155
DIN32676-150-FKM-NG-LE	150	150,2	183
DIN32676-200-FKM-NG-LE	200	200,5	233,5

ISO1127 (DIN32676: Row B) (Pipe connection DIN 11866 Row B)			
Item No.	DN	ID (mm)	OD (mm)
ISO1127-06-FKM-NG-LE	10,2	7,2	21,8
ISO1127-08-FKM-NG-LE	13,5	10,5	21,8
ISO1127-10-FKM-NG-LE	17,2	14,2	21,8
ISO1127-15-FKM-NG-LE	21,3	18,3	50,5
ISO1127-20-FKM-NG-LE	26,9	23,9	50,5
ISO1127-25-FKM-NG-LE	33,7	29,9	50,5
ISO1127-32-FKM-NG-LE	42,4	38,6	64
ISO1127-40-FKM-NG-LE	48,3	44,5	64
ISO1127-50-FKM-NG-LE	60,3	56,5	77,5
ISO1127-65-FKM-NG-LE	76,1	72,3	91
ISO1127-80-FKM-NG-LE	88,9	84,5	106
ISO1127-100-FKM-NG-LE	114,3	109,9	130
ISO1127-125-FKM-NG-LE	139,7	134,7	155
ISO1127-150-FKM-NG-LE	168,3	163,3	183
ISO1127-200-FKM-NG-LE	219,1	214,1	219,1

Type I Gaskets ASME BPE (DIN32676: Row C) (Pipe connection DIN 11866 Row C)			
Item No.	DN	ID (mm)	OD (mm)
42MPSFY-025-NG-LE ₁₎	¼"	4,8	21,8
42MPSFY-0375-NG-LE ₁₎	3/8"	8	21,8
42MPSFY-050-NG-LE ₁₎₂₎	1/2"	9,6	21,8
42MPSFY-075-NG-LE ₁₎₂₎	3/4"	16	21,8
40MPSFY-100-NG-LE ₂₎	1"	22,3	50,5
40MPSFY-150-NG-LE ₂₎	1 1/2"	35	50,5
40MPSFY-200-NG-LE ₂₎	2"	47,7	64
40MPSFY-250-NG-LE ₂₎	2 1/2"	60,4	77,5
40MPSFY-300-NG-LE ₂₎	3"	73,1	91
40MPSFY-400-NG-LE ₂₎	4"	97,7	119
40MPSFY-600-NG-LE	6"	147,1	167
40MOSFY-800-NG-LE	8"	197,6	217,7
40MOSFY-1000-NG-LG	10"	247,4	268,5
40MOSFY-1200-NG-LG	12"	298,2	319,3

1) 42: Part designation number for mini size gaskets 2) Equal to BS 4825-3 (British Standard)
For further information on gasket dimensions without a listed item number please contact Rubber Fab.