

EPDM

EPDM (ethylene propylene diene rubber) has a good temperature resistance from -34°C (-29°F) to 149°C (300°F) and has excellent media resistance to hot water, steam, acids and alkalis. Due to its very good resistance to steam, acids and alkalis, EPDM is compatible with CIP (Cleaning in Place) and SIP (Sterilization in Place) cleaning media. EPDM is therefore suitable for use in sterilizable bioreactors and in many synthesis processes for active pharmaceutical ingredients. EPDM is only suitable to a very limited extent for use in media containing oil and grease and non-polar solvents.

MAIN SEGMENTS

- Pharmaceutical
- Food

CERTIFICATES/DECLARATIONS

- 3A Sanitary Standard 18-03 Class IV
- FDA 21 CFR 177.2600
- USP Class VI <87>, <88> (121°C)
- ADI free (EMEA 410/01)
- REACH/RoHS

KEY BENEFITS

- Suitable for SIP and CIP
- Perfect cleanability
- Excellent chemical resistance
- Wide temperature range
-34°C (-29°F) to 149°C (300°F)
- Exceptional flexibility



EPDM

Gasket Dimensions and Item Numbers¹⁾

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

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

Shedule V Gaskets			
Item No.	Size	ID (mm)	OD (mm)
40MVE-100	1"	30,5	50,5
40MVE-150	1 1/2"	45,2	64
40MVE-200	2"	57,4	77,5
40MVE-250	2 1/2"	69,1	91
40MVE-300	3"	85,1	106

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

Type II Gaskets ASME BPE (DIN32676: Row C) (Pipe connection DIN11866 Row C)			
Item No.	DN	ID (mm)	OD (mm)
40MPFE-100 ₃₎	1"	22,3	50,5
40MPFE-150 ₃₎	1 1/2"	35	50,5
40MPFE-200 ₃₎	2"	47,7	64
40MPFE-250 ₃₎	2 1/2"	60,4	77,5
40MPFE-300 ₃₎	3"	73,1	91
40MPFE-400 ₃₎	4"	97,6	119
40MOFE-600 ₃₎	6"	147,1	167
40MOFE-800 ₃₎	8"	197,6	217,7
40MOFE-1000 ₃₎	10"	247,4	268
40MOFE-1200 ₃₎	12"	298,2	319

Solid Orifice Plates ⁴⁾			
Item No.	Size	ID (mm)	OD (mm)
A80MPG-TS-050/075	1/2" / 3/4"	9,6 / 16	50,5
A80MPG-TS-100/150	1 / 1 1/2"	22,3 / 35	50,5
A80MPG-TS-200	2"	35	64
A80MPG-TS-250	2 1/2"	60,4	77,5
A80MPG-TS-300	3"	73,1	91
A80MPG-TS-400	4"	97,6	119
A80MPG-TS-600	6"	147,1	167

1) EPDM Gaskets also available in following Types: Bevel Seat Gasket, Camlock Gasket, I-Line Seals, John Perry, Q-Line, Shedule V Flanged (4" to 12")

2) 42: Part designation number for mini size gaskets 3) Equal to BS 4825-3 (British Standard) 4) For available drill sizes please contact Rubber Fab

For further information on gasket dimensions without a listed item number please contact Rubber Fab.

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