

Peroxide Cured EPDM

Next Generation

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
- EC1935/2004 and EC2023/2006 GMP
- FDA 21 CFR177.2600 (Formulation & Extraction)
- FDA 21 CFR174.5 (GMP)
- USP Class VI <87>, <88> (121°C)
- ADI free (EMEA 410/01)

KEY BENEFITS

- Suitable for SIP and CIP
- Full and Easy Traceability
- Laser marked by default
- Perfect cleanability
- Excellent chemical resistance
- Wide temperature range
-34°C (-29°F) to 149°C (300°F)
- Exceptional flexibility



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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-E-NG-LE	06	4,2	21,8
DIN32676-08-E-NG-LE	08	6,2	21,8
DIN32676-10-E-NG-LE	10	10,2	34
DIN32676-15-E-NG-LE	15	16,2	34
DIN32676-20-E-NG-LE	20	20,2	34
DIN32676-25-E-NG-LE	25	26,2	50,5
DIN32676-32-E-NG-LE	32	32,2	50,5
DIN32676-40-E-NG-LE	40	38,2	50,5
DIN32676-50-E-NG-LE	50	50,2	64
DIN32676-65-E-NG-LE	65	66,2	91
DIN32676-80-E-NG-LE	80	81,2	106
DIN32676-100-E-NG-LE	100	100,2	119
DIN32676-125-E-NG-LE	125	125,2	155
DIN32676-150-E-NG-LE	150	150,2	183
DIN32676-200-E-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-E-NG-LE	10,2	7,2	21,8
ISO1127-08-E-NG-LE	13,5	10,5	21,8
ISO1127-10-E-NG-LE	17,2	14,2	21,8
ISO1127-15-E-NG-LE	21,3	18,3	50,5
ISO1127-20-E-NG-LE	26,9	23,9	50,5
ISO1127-25-E-NG-LE	33,7	29,9	50,5
ISO1127-32-E-NG-LE	42,4	38,6	64
ISO1127-40-E-NG-LE	48,3	44,5	64
ISO1127-50-E-NG-LE	60,3	56,5	77,5
ISO1127-65-E-NG-LE	76,1	72,3	91
ISO1127-80-E-NG-LE	88,9	84,5	106
ISO1127-100-E-NG-LE	114,3	109,9	130
ISO1127-125-E-NG-LE	139,7	134,7	155
ISO1127-150-E-NG-LE	168,3	163,3	183
ISO1127-200-E-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)
42MPE-025-NG-LE ₁₎	¼"	4,8	21,8
42MPE-0375-NG-LE ₁₎	3/8"	8	21,8
42MPE-050-NG-LE ₁₎₂₎	1/2"	9,6	21,8
42MPE-075-NG-LE ₁₎₂₎	3/4"	16	21,8
40MPE-100-NG-LE ₂₎	1"	22,3	50,5
40MPE-150NG-LE ₂₎	1 1/2"	35	50,5
40MPE-200NG-LE ₂₎	2"	47,7	64
40MPE-250NG-LE ₂₎	2 1/2"	60,4	77,5
40MPE-300NG-LE ₂₎	3"	73,1	91
40MPE-400-NG-LE	4"	97,7	119
40MPE-600-NG-LE	6"	147,1	167
40MOFE-800-NG-LE	8"	197,6	217,7
40MOFE-1000-NG-LE	10"	247,4	268,5
40MOFE-1200-NG-LE	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.