

Flex-Pure™ Platinum Cured Silicone

Platinum cured silicone (VMQ) is the material of choice in hygienic water systems or when harder gasket materials are not suitable due to an unavoidable flange misalignment. Gaskets made of silicone differ from other elastomers in their transparency and feel. Silicone has excellent resistance to oxygen, ozone, some solvents and synthetic- animal- and vegetable oils. The temperature spectrum of silicone ranges from -40°C (-40°F) to 232°C (450°F). Because of their natural purity, silicone gaskets are often used in the food and pharmaceutical industries.

MAIN SEGMENTS

Pharmaceutical
Food

CERTIFICATES/DECLARATIONS

- USP Class VI <87>, <88> (121°C)
- 3A Sanitary Standard 18-03 Class I
- FDA 21 CFR177.2600 (Formulation & Extraction)
- EC1935/2004 (EU Food Contact Regulation)
- GB 4806.11-2016 and GB 9658-2016 (Chinese National Food Safety Standard)
- Manufactured in compliance with GB 31603-2015 (GMP)
- Manufactured in compliance with EC2023/2006 (GMP)
- Manufactured in compliance with FDA 21 CFR174.5 (cGMP)
- ADI free (EMEA 410/01)

KEY BENEFITS

- Laser marked by default
- Lot number for Full and Easy Traceability
- Material Identification
- Exceptional Flexibility
- High Dimensional Stability
- Suitable for SIP and CIP processes
- Good Steam Resistance
- Low Extractable values
- High Purity Compound
- Good Chemical resistance
- Wide Temperature range



Laser marked by default with lot number and material name

Flex-Pure™ - Platinum Cured Silicone

Gasket Dimensions and Item Numbers

DIN11850/10357 (DIN32676: Row A) (Pipe connection DIN 11866 Row A)			
Item No.	DN	ID ⁴⁾ (mm)	OD (mm)
DIN32676-06-PX-NG-LE	06	9,70	21,8
DIN32676-08-PX-NG-LE	08	10,70	21,8
DIN32676-10-PX-NG-LE	10	12,70	34,0
DIN32676-15-PX-NG-LE	15	18,20	34,0
DIN32676-20-PX-NG-LE	20	22,20	34,0
DIN32676-25-PX-NG-LE	25	27,70	50,5
DIN32676-32-PX-NG-LE	32	32,70	50,5
DIN32676-40-PX-NG-LE	40	38,70	50,5
DIN32676-50-PX-NG-LE	50	50,70	64,0
DIN32676-65-PX-NG-LE	65	≥66,2	91,0
DIN32676-80-PX-NG-LE	80	≥81,2	106,0
DIN32676-100-PX-NG-LE	100	≥100,2	119,0
DIN32676-125-PX-NG-LE	125	≥125,2	155,0
DIN32676-150-PX-NG-LE	150	≥150,2	183,0
DIN32676-200-PX-NG-LE	200	≥200,2	233,5

ISO1127 (DIN32676: Row B) (Pipe connection DIN 11866 Row B)			
Item No.	DN	ID ⁴⁾ (mm)	OD (mm)
ISO1127-06-PX-NG-LE	10,2	10,20	21,8
ISO1127-08-PX-NG-LE	13,5	12,00	21,8
ISO1127-10-PX-NG-LE	17,2	15,70	21,8
ISO1127-15-PX-NG-LE	21,3	19,80	50,5
ISO1127-20-PX-NG-LE	26,9	24,90	50,5
ISO1127-25-PX-NG-LE	33,7	30,90	50,5
ISO1127-32-PX-NG-LE	42,4	39,10	64,0
ISO1127-40-PX-NG-LE	48,3	45,00	64,0
ISO1127-50-PX-NG-LE	60,3	57,00	77,5
ISO1127-65-PX-NG-LE	76,1	≥72,3	91,0
ISO1127-80-PX-NG-LE	88,9	≥84,5	106,0
ISO1127-100-PX-NG-LE	114,3	≥109,9	130,0
ISO1127-125-PX-NG-LE	139,7	≥134,7	155,0
ISO1127-150-PX-NG-LE	168,3	≥163,3	183,0
ISO1127-200-PX-NG-LE	219,1	≥214,1	233,5

ASME BPE (DIN32676: Row C) (Pipe connection DIN 11866 Row C)			
Item No.	DN	ID ⁴⁾ (mm)	OD (mm)
42RXPX-025-NG-LE ¹⁾	1/4"	9,30	21,8
42RXPX-0375-NG-LE ¹⁾	3/8"	11,00	21,8
42RXPX-050-NG-LE ¹⁾	1/2"	12,10	21,8
42RXPX-075-NG-LE ¹⁾	3/4"	17,00	21,8
40RXPX-100-NG-LE	1"	23,30	50,5
40RXPX-150-NG-LE	1 1/2"	35,50	50,5
40RXPX-200-NG-LE	2"	48,20	64,0
40RXPX-250-NG-LE	2 1/2"	60,90	77,5
40RXPX-300-NG-LE	3"	≥73,1	91,0
40RXPX-400-NG-LE	4"	≥97,6	119,0
40RXPX-600-NG-LE ²⁾	6"	≥147,1	167,0
40RXPX-800-NG-LE ²⁾	8"	≥197,9	217,7
40RXPX-1000-NG-LE ²⁾	10"	≥247,4	268,5
40RXPX-1200-NG-LE ²⁾	12"	≥298,2	319,3

Physical Properties ³⁾		
Property	Test method	Result
Hardness (Shore A)	ASTM D 2240	71 ±5
Tensile Strength (MPa)	ASTM D 412/C	9,5 (1377 psi)
Elongation (%)	ASTM D 412/C	590
Specific Gravity (g/cm ³)	ASTM D 297	1,2
Tear resistance (N/mm)	ASTM D 624/B	32
Color	Translucent	
Storage Stability	10 years	

1) 42 Part designation number for mini size gaskets

2) Type II Flanged

3) The preceding Physical Properties data gives the typical properties of the mentioned material.

4) The Inner Diameter values are optimized by Rubber Fab. And are tested at 30 in/lbs (3,3Nm) tightening torque, to obtain the best possible fit during installation and service.

NOTE: Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult Rubber Fab. Failure to select the proper sealing products could result in property damage and/or serious personal injury. While the utmost care has been used in compiling this data, we assume no responsibility for errors. Specifications subject to change without notice. This edition cancels all previous issues. Rubber Fab is a registered trademark for packings, seals, gaskets, and other products