DOCKWEILER NON-METALLIC

Gaskets for Clamp Connections

Material	EPDM, PTFE, Silikon (VMQ), Viton® (FKM), PTFE/FKM, Tuf Flex® [1)], Tuf Steel® [1)]
Dimensions	Imperial: 1/4” - 6” ISO: 13,50 - 114,30 mm Metric: 6,00 - 154,00 mm
Technical Terms of Delivery	DIN 32676, ASME BPE, U.S. Pharmacopeia Class VI Certification, FDA, Animal derived ingredients free (ADI)
Durability	Please see durability table
Surface	Cleaned, free of oil and fat according to DW cleaning specification
Quality control	Verification of manufacturer documentation Verification of dimensions Visual control
Marking	Laser engraved
Marking information	Subject to technical realization the gaskets are permanently marked with the following information in the order stated below: 1. Dockweiler (DW) and Dockweiler number 2. Material 3. Dimension 4. Flange size
Documentation	According to pharmaceutical standards
Packing options	Single packed, multiple packing: 10, 25, 50 pcs./package
Label	Logo Dockweiler number Batch / Barcode Material Dimension Flange size

[1)] Available only in imperial dimensions

CPKD/11/11

Dockweiler AG
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DOCKWEILER
TUBE SYSTEMS IN STAINLESS STEEL

Compound Selection for Fluids and Chemicals

Material acc. to ASTM D1418		Tuf-Steel®	Tuf-Flex®	PTFE/FKM	PTFE	SILICONE Platinum Cured	FKM Fluoro-elastomer	EPDM Peroxide Cured
Application		pharmaceutical applications, ultrapure water and critical food and beverage processes	pharmacy, biotechnology, ultrapure water, WFI and critical food and beverage processes	food and pharmaceutical applications, pharmacy, biotechnology	pharmacy, biotechnology, ultrapure water	pharmacy, biotechnology	general use for process equipment in pharma and biotechnology	general use for process equipment, not recommnded for SIP
Comment		stable to temperature variations, no flow properties like PTFE	full seal effect even in case of wide temperature variations	extended service life due to inert PTFE coat	long service life, not recommended wide temperature variations	very flexible even a temperature	flexible even at low temperatures, suitable for many solvents	suitable for low pressure steam
Material		composite of stainless 316L and PTFE	PTFE grafted onto an inner EPDM core	FKM with PTFE coat	Perfluor-Ethylene	platinum-cured silicone	Perfluor-Rubber	Ethylene-Propylene-Diene-Rubber
Temperature variations		+	++	(+)	_	+	+	+
Continuous Steam		++	++	++	++	+	++	++
Unpolar solvents		++	++	++	++	_	++	-
Polar solvents		++	++	++	++	-	_	+
Acid + active Oxygen		++	++	++	++	+	+	+
Acid		++	++	++	++	+	+	+
Alkaline		++	++	++	++	_	+	+
Steam Cycles		100	100					
Compound number						296		CPO-196A
„Tensile Strenght“	Bar PSI	133 1928	0	0	0	48 700	0	138 2000
„Elongation at break“	%	270	160	150	150	800	200	400
Hardness	Shore A	68	82	45	45	65-75	80	70±5
Density	g/cm3	3,45	1,28	1,90	2,10	1,20	1,85	1,25
Compression Set	% hours T / °C/F	5 24 175/347	7 24 150/302	15 24 175/347	18,5 70 200/392	20 24 175/347	13 24 175/347	10 24 150/302
„Temperature range / °C“	Min Max	-70 260	-70 180	-60 180	-15 230	-60 200	-20 210	-40 140
„Temperature range / F“	Min Max	-94 500	-94 356	-76 356	5 446	-76 392	-4 410	-40 284

++ excellen
\+ good
(+) satisfactory
_ moderate
\- not suitable

Please note: Dockweiler AG does not take any liability for improper use
Table is subject to change without notice