













Product/Attribute	 GYLON® BIO-PRO PLUS™	 GYLON BIO-PRO®	 Tuf-Flex® - PTFE/FKM	 Tuf-Flex® - PTFE/EPDM	 Tuf-Steel®	 PTFE	 PTFE/EPDM Envelope	 PTFE/FKM Envelope	 Platinum Cured Silicone - Flex-Pure™	 Peroxide Cured FKM - Flex-Pure™	 Peroxide Cured EPDM - Flex-Pure™	 Buna
Temperature Range	-268°C to 260°C (-450°F to 500°F)	-268°C to 260°C (-450°F to 500°F)	-34°C to 204°C (-30°F to 400°F)	-29°C to 150°C (-20°F to 300°F)	-198°C to 288°C (-325°F to 550°F)	-73°C to 260°C (-100°F to 500°F)	-30°C to +150°C (-22°F to 300°F)	-29°C to +205°C (-20°F to 400°F)	-40°C to 230°C (-40°F to 450°F)	-34°C to 205°C (-29°F to 300°F)	-30°C to 150°C (-22°F to 300°F)	-34°C to 93°C (-29°F to 200°F)
Pressure Range	up to 55 bar	up to 55 bar	Clamp****	Clamp****	Clamp****	Clamp****	Clamp****	Clamp****	Clamp****	Clamp****	Clamp****	Clamp****
Vacuum	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Chemical Resistance	Universal*	High	Universal*	Universal*	High	Universal*	Universal*	Universal*	Medium	Medium to High	Medium	Low to Medium
Material	100% PTFE	PTFE + Pigment + Filler	PTFE/FKM	PTFE/EPDM	PTFE + 316SS	PTFE	PTFE/EPDM	PTFE/FKM	100% Silicone Platinum Cured	100% FKM Peroxide Cured	100% EPDM Peroxide Cured	100% Buna
Traceability	Yes	On Demand	Yes	On Demand	On Demand	On Demand	No	No	Yes	Yes	Yes	On Demand
CIP Processes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SIP Processes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dimensional Stability	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Easy removal/non-stick	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Shelf Life	Unlimited	Unlimited	10 Years	10 Years	10 Years	10 Years	10 Years	10 Years	10 Years	10 Years	10 Years	10 Years
Service Life	Unlimited**	Unlimited**	Dependent***	Dependent***	Dependent***	Dependent***	Dependent***	Dependent***	Dependent***	Dependent***	Dependent***	Dependent***
TA-LUFT + Blowout	Yes	No	No	No	No	No	No	No	No	No	No	No
FDA Compliance	FDA 21 CFR177.1550	FDA 21 CFR177.1550	FDA 21 CFR177.1550	FDA 21 CFR177.1550	FDA 21 CFR177.1550	FDA 21 CFR177.1550	FDA 21 CFR177.1550	FDA 21 CFR177.1550	FDA 21 CFR177.2600	FDA 21 CFR177.2600	FDA 21 CFR177.2600	FDA 21 CFR177.2600
EC1935/2400 & EC2023/2006	Yes + GMP	Yes + GMP	Yes + GMP	Yes + GMP	Yes + GMP	No	No	No	Yes + GMP	Yes + GMP	Yes + GMP	No
USP Class VI	<87> & <88> at 121°C	<87> & <88> at 121°C	<87> & <88> at 121°C	<87> & <88> at 121°C	<87> & <88> at 121°C	<87> & <88> at 121°C	<87> & <88> at 70°C	<87> & <88> at 70°C	<87> & <88> at 121°C	<87> & <88> at 121°C	<87> & <88> at 121°C	No
GB 4806.11-2016 & GB 9658-2016 & GB 31603-2015 (GMP)	No	No	Yes	Yes	Yes	No	No	No	Yes	No	No	No
Phthalate Free	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Silicone Free	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
BAM Tested	Yes	Yes	No	No	No	No	No	No	No	No	No	No
ADI Free	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
Hydrocheck	No	Yes	No	No	No	No	No	No	No	No	No	No
3A 18-30	No	No	No	No	No	No	No	No	Class I	Class I	Class II	Class III
3A 20-27	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No
Hygienic Design per EHEDG	Yes	No	No	No	No	No	No	No	No	No	No	No
NSF 61	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
62.Bfr	Yes	No	No	No	No	No	No	No	No	No	No	No
Application	Pharma, Food, SIP, CIP, Hygienic Design, Ultra-Low Adhesion, High Purity Demands, Sustainable Cleaning	Pharma, Food, Rough SIP & CIP, Well Known and Proven Gasket	Pharma, Food, High Chemical Resistance & Temperature Range, SIP, CIP	Pharma, Food, Rough SIP & CIP, Well Known & Proven Gasketing Material	Pharma, Food, Rough SIP & CIP, Well Known & Proven Gasketing Material	Pharma, Food, High Chemical Resistance & Temperature Range, SIP, CIP	Pharma, Food, High Chemical Resistance & Temperature Range, SIP, CIP	Pharma, Food, High Chemical Resistance & Temperature Range, SIP, CIP	Pharma, Food, Medium Chemical Resistance, Good Temperature Range, SIP, CIP	Pharma, Food, Medium to High Chemical Resistance, Good Temperature Range, SIP, CIP	Pharma, Food, Medium Chemical Resistance, Good Temperature Range, SIP, CIP	Pharma, SIP, CIP, Good Chemical Resistance

*Except certain alkali metals and fluorinating agents

**Depending on application parameters

***Service life is dependent upon specific application and installment by the customer

**** Pressure Limit of the Clamp

NOTE: Properties/applications shown throughout this overview are typical. 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. Performance data published in this overview has been developed from field testing, customer field reports and/or in-house testing. While the utmost care has been used in compiling this overview, we assume no responsibility for errors. Specifications subject to change without notice. This edition cancels all previous issues. Subject to change without notice Rubber Fab is a registered trademark for packings, seals, gaskets, and other products of Rubber Fab.