

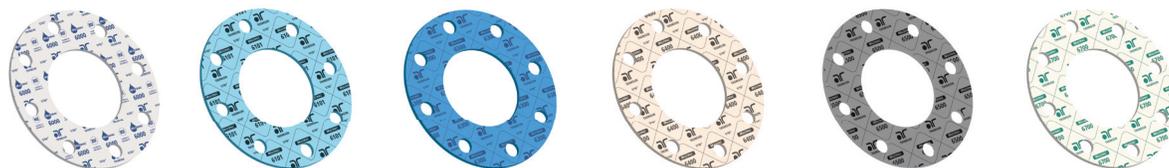
Thomson Performance Sealing

GASKET QUICK GUIDE



**FLUID CONTAINMENT
SPECIALISTS SINCE 1967**

THOMSON PERFORMANCE SEALING



MULTIPAC™						
	6000	6101	6300	6400	6500	6700
Construction	Aramid/Nitrile	Aramid/Nitrile	Aramid/Neoprene	Aramid/SBR	Inorganic Fiber / Nitrile	Aramid/EPDM
Colour	White w/ blue branding	Blue w/ black branding	Blue / dark blue branding	Off-white / black branding	Grey w/ black branding	Off-white / emerald branding
Features	NSF Certified for potable water.	Premium General Service sheet - flexible and easy to cut with good all-around performance. Fire Safe (DVGW VP-401).	Premium sheet where a neoprene binder is required. Good handle ability and dielectric strength.	Excellent sealability and good handle ability.	Superior temperature capability. Good handle ability. Fire Safe (DVGW VP-401).	High quality sheet material with EPDM binder. Superior resistance to caustic, hot water and steam.
Typical Service	Municipal waterworks, water treatment, food and beverage.	General service such as saturated steam, hot water and petroleum-based fluids.	Refrigerants, fuels, oils and low pressure steam.	Inert gases such as helium, nitrogen and argon.	Hot water, oils, saturated steam, most refrigerants.	Hot water, saturated steam, and mild caustics.
Temp. Max (°C / °F)	370°C / 700°F	370°C / 700°F	370°C / 700°F	370°C / 700°F	440°C / 825°F	370°C / 700°F
Temp. Continuous (°C / °F)	200°C / 400°F	260°C / 500°F	285°C / 548°F	200°C / 400°F	315°C / 600°F	200°C / 400°F
Max Pressure (PSI / Bar)	1,200 PSI / 83 bar	1,450 PSI / 100 bar	1,450 PSI / 100 bar	1,500 PSI / 103 bar	1,700 PSI / 117 bar	1,450 PSI / 100 bar
PXT	350,000	350,000	350,000	350,000	375,000	350,000



CHEMLON®			ECLIPSE®	
	7500	7504	7510	7576
Construction	Teflon™ / Silica	Teflon™ / Glass	Teflon™ / Barium Sulfate	PTFE / Proprietary Filler
Colour	Fawn w/ black branding	Blue w/ black branding	Off-White w/ black branding	Grey w/ black branding
Features	Premium Silica-filled Teflon™ sheet with reduced cold flow and creep in strong acids.	Premium glass-filled Teflon™ sheet that is more conformable requiring less bolt load on non-metallic and fragile flanges.	Premium Barium-filled Teflon™ with reduced cold flow and creep in strong caustic.	All-in-one PTFE gasket with universal chemical compatibility, low stress to seal, maximum load retention and outstanding rigidity for easy application.
Typical Service	Acids found in most industrial processing facilities.	Moderate acids and caustics, refrigerants and hydrocarbons.	Black liquor, caustic, chlorine, steam, and hydrocarbons.	Strong caustics and acids, chlorine, solvents, sodium hydroxide, cryogenics, hydrocarbon, water, saturated steam less than 100 psi, non-metallic or flanges with less bolt load available.
Temp. Max (°C / °F)	260°C / 500°F	260°C / 500°F	260°C / 500°F	260°C / 500°F
Temp. Min (°C / °F)	-268°C / -450°F	-268°C / -450°F	-268°C / -450°F	-268°C / -450°F
Max Pressure (PSI / Bar)	1,200 PSI / 83 bar	800 PSI / 55 bar	1,200 PSI / 83 bar	1,200 PSI / 83 bar
PXT	600,000	600,000	600,000	600,000



	ULTRAPAC™	THERMAPAC®	
	8600	9100	9950
Construction	Graphite/Aramid/Functional Inorganic fibers with Nitrile (NBR)	Carbon/Nitrile (NBR)	Inorganic Fibers/Graphite/Nitrile (NBR)
Colour	Brick Teal w/ black branding	Grey w/ black branding	Black w/ orange branding
Features	Next Generation general service with outstanding temperature range and chemical compatibility. Exceptionally easy to handle; ideal for hand cutting and narrow flanges. Environmentally friendly.	High temperature sheet with excellent chemical and pressure capability. Improved handle ability compared with typical carbon sheet materials.	Unprecedented temperature and pressure capability in a compressed sheet. Exceptional performance in steam service. API-607 Fire Safe.
Typical Service	Steam, petroleum, hydrocarbons, most refrigerants and brake fluids.	High temperature steam, hydrocarbons and heat transfer fluids.	High temperature steam, hydrocarbons, and heat transfer fluids.
Temp. Max (°C / °F)	350°C / 662°F	450°C / 842°F	550°C / 1022°F
Temp. Continuous (°C / °F)	250°C / 482°F	270°C / 518°F	430°C / 806°F
Max Pressure (PSI / Bar)	1,500 PSI / 103 bar (1)	1,885 PSI / 130 bar	2,150 PSI / 148 bar
PXT	295,000	700,000 (1)	700,000 (1)

(1) Dependent on temperature, flange condition, installation, and gasket thickness.



	ULTRAGRAF®	T-Therm™
	EFX	
Construction	100% Flexible Graphite and superior oxidation resistance with Flexmet® Insert.	Vermiculite & proprietary binders T-THERM™ 316L stainless tanged insert
Colour	Mauve w/ black branding	Soft Grey
Features	Formerly TGBE - has all of the TGBE attributes plus easy fabrication, safer handling and oxidation inhibitor resulting in greater volume retention and superior reliability in cycling and extreme service. API-6FB Fire Safe.	Extreme temperature and pressure in Hot Dry Gas applications. T-THERM™ has added blow out resistance due to its tanged stainless steel insert.
Typical Service	Hot hydrocarbons, super-heated steam, high pressures and cycling conditions.	Ovens, burners and exhaust systems. Chemical, Petrochemical, Automotive and Engine building industries. Heating systems and high temp. applications.
Temp. Max (°C / °F)	700°C / 1,300°F	950°C / 1740°F
Temp. Continuous (°C / °F)	450°C / 850°F	900°C / 1650°F
Max Pressure (PSI / Bar)	2,500 PSI / 172 bar	Class 150 & 300 lb

Other Products

METALLIC GASKETS

Thomson CANFLEX® spiral wound, camprofile, high temperature, heat exchanger and ring joint gaskets. We manufacture gaskets from all common metals, exotic alloys and filler materials in all configurations for the most extreme applications.



FASTENERS

All thread studs – ASTM 193 Grade B7, B7M, B8, B8M, B16, ASTM A320 L7, L7M; heavy hex nuts – ASTM A194 Grade 2H, 2HM, 4, L7, L7M, 8 and 8M; Through hardened washers – ASTM F-436; custom coatings; specialty fabricated and machined studs; CANFLEX® approved thread lubricant.

SUPERLOK CANADA

Instrumentation Tube, Pipe, JIC and DIN Fittings. Instrumentation Ball, Bleed, Check, Double Block and Bleed, Needle, Plug, and Purge Relief Valves. Quick Connects and Filters. Flexible Metal Hose, Tubing and Accessories.



MECHANICAL SEALS

Advanced cartridge and component seals for pumps, mixers, compressors and other rotating equipment. Seal replacements for major brands such as John Crane, Flowserve, AES and more.



The A.R. Thomson Group Inc. was established in 1967 as a regional manufacturer & distributor of gaskets and other fluid containment products. With the rapid growth of oil and gas production, petrochemical, oil refining and pulp and paper industries, our manufacturing facilities expanded to meet increased demand for these products. Since 1967, we have developed our expertise and know-how to become the leader in solving fluid containment problems. No matter what your containment needs are, we can help.



Fluid Containment Specialists Since 1967