
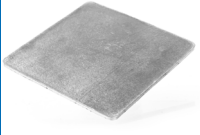
















**Asbestos-free range
of Packings, Sealing,
Tapes, Insulation and
Compressed Fiber
Jointing Sheets**



ASBESTOS FREE RANGE OF PACKINGS, SEALING, TAPES AND INSULATION PRODUCTS

CHAMPION® Style	Description	pH	Temperature					Size	
			°C	Bar	Bar	m/s	Bar	m/s	mm ²
1 	Drylon Dry PTFE Gland Packing	0 - 14	-200 to +280	250	20	10	100	1	3-100
2 	Neoflon Pure PTFE Gland Packing	0 - 14	-210 to +280	240	50	5	150	1	3-100
3 	Utraflon™ Pure PTFE Lubricated Gland Packing	0 - 14	-200 to +280	220	20	15	100	2	3-100
23 	Flurocarb High Tensile PTFE Gland Packing	0 - 14	-250 to +300	350	25	20	250	3	3-100
36 	Graflon™ PTFE Graphite Gland Packing	0 - 14	-212 to +280	250	25	25	100	3	3-100
38 	Carbosuper™ High Purity Carbon Gland Packing	1 - 14	-200 to +600	350	75	25	125	2	3-100
64 	Graphite Gasket Sheet (1.5 & 3 mm)	0 - 14	-200°C To 3300°C (Non-Oxidising) -200°C To 600°C (Oxidising) -200°C To 650°C (Steam)	40 Bar (Non-Metallic) & 140 Bar (Metallic) for Static					
66 	Grafosuper™ Graphite Filament Gland Packing	0 - 14	-100 to +650	350	35	25	100	2	3-100
172 	Duralon™ Aramid PTFE Yarn Combination Gland Packing	2 - 12	-200 to +280	250	150	10	250	2	3-100
174 	Duralon™ Impregnated PTFE Impregnated Aramid Gland Packing	3 - 12	-200 to +300	280	25	25	200	2	3-100

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CHAMPION® Style	Description	pH	Temperature					Size		
			°C	Bar	Bar	m/s	Bar	m/s	mm ²	
175 	Lubricated Aramid Filament Yarn Gland Packing (High Temperature applications)	1 - 13	-200 to +280	250	25	25	250	2	3-100	
176 	Kombiflon™ PTFE Graphite Aramid Gland Packing	3 - 12	-200 to +300	250	20	25	250	2	3-100	
374 	Hydroflon Gland Packing (Hydraulic Application)	4 - 10	-40 to +150	80	10	7	50	1	3-100	
376 	Hydraulic Gland Packing	6 - 8	-40 to +130	80	10	7	50	1	3-100	
536 	PTFE Graphite Hollow Core Gland Packing	0 - 14	-200 to +300	NA	20	20	50	5	3-100	
672 	Expanded Pure Graphite Gland Packing (High Performance)	0 - 14	-240 to +280	240	NA	NA	300	NA	6-100	
660 	Graphite Gland Packing Ring	0 - 14	-200°C To 330°C (Non-Oxidising) -200°C To 600°C (Oxidising) -200°C To 650°C (Steam)	300	100	30	200	3	NA	
661 	Graphite Self Sealing Ring	0 - 14		Pressure 300 Bar For Static						
661M 	Spl Graphite Self Sealing Ring (High Pressure)	0 - 14		Pressure 450 Bar For Static						

Bar = Operating Pressure. M/S = Velocity



Valve















Rotary Pump



Reciprocating Pump

ASBESTOS FREE RANGE OF PACKINGS, SEALING, TAPES AND INSULATION PRODUCTS

CHAMPION® Style	Description	pH	Temperature					Size	
			°C	Bar	Bar	m/s	Bar	m/s	mm ²
664 	Pre Cut Pure Graphite Gasket (1.5 & 3 mm)	0 - 14	-200°C To 3300°C (Non-Oxidising) -200°C To 600°C (Oxidising) -200°C To 650°C (Steam)	40 Bar (Non-Metallic) & 140 Bar (Metallic) for Static					
668 	Pure Graphite Braided Gland Packing	0 - 14		300	100	25	150	2	3-100
668M 	Pure Graphite Braided Gland Packing with Inconel / SS wire	0 - 14		450	200	15	300	2	3-100
2222 	Stern Gland Packing (Marine Applications)	5 - 9	-40 to +150	220	10	3	100	1	3-100
2224 	Stern Flon Marine Gland Packing	6 - 10	-40 to +150	240	25	9	100	1	3-100
3116 	Graphite Natural Fibre Gland Packing	6 - 8	-40 to +130	70	10	7	50	1	3-100
3800 	Self Lubricated Graphite AF Gland Packing	0 - 14	-50 to +300	120	25	10	100	2	3-100
6094 	PTFE Impregnated Synthetic Gland Packing	1 - 13	Up to +300	100	30	10	100	2	3-100
6800 	Lubricated Graphite Synthetic Gland Packing	3 - 10	Up to +300	150	30	NA	100	1.5	3-100

Bar = Operating Pressure. M/S = Velocity



Valve



Rotary Pump





Reciprocating Pump







INSULATION PRODUCTS

CHAMPION® Style	Description	pH	Temperature				↔		Size
			°C	Bar	Bar	m/s	Bar	m/s	mm ²
3000 	AF Inorganic Fibre Gland Packing	0 - 14	Up to 600° C						
7000 	Ceramic Braided Rope	0 - 14	Up to 1250° C						
7012 	Ceramic Lagging Rope	0 - 14	Up to 1250° C						
7056 	Ceramic Yarn	0 - 14	Up to 1250° C						
7132 	Ceramic Cloth	0 - 14	Up to 1250° C						
7916 	Ceramic Kiln Seal Rope (Metallic)	0 - 14	-50° C to +1250° C						
7020 	Ceramic Webbing Tape	0 - 14	Up to 1250° C						

TAPES

CHAMPION® Style	Description	pH	Temperature	Density	Width	Thickness
			°C			
	Champion Tapes-CT 125 Champion Tapes- CT 190 Champion Tapes- CT 250	0 - 14	Up to 260°	>0.6 g/cm ³	12.5mm x 0.075mm x 12M 19.0mm x 0.075mm x 12M 25.0mm x 0.075mm x 12M	
	Flex-O-Seal ePtfte Sealant Tape with adhesive back	0 - 14	Up to 260°	>0.6 g/cm ³	3mm to 50mm	1.5mm to 10mm



STYLE	PRODUCT PROFILE	SERVICE CONDITIONS	TYPICAL PHYSICAL PROPERTIES			FLUID RESISTANCE			
			Density			ASTM Oil No. 3		Fuel B	
						Thickess Increase %	Mass Increase %	Thickess Increase %	Mass Increase %
	<p>Champion® Style AF110 Steam. A cost product manufactured from ecofriendly natural cellulosic fibres bonded with suitable mix of elastomers</p> <p>Colour : Red & Green. *Available with wire gauze reinforcement and antistick coating.</p>	<p>General purpose gasketing material suitable for use with Oils, Solvents, Gases, Water, L.P. Steam and most dilute acids and alkalies (Low service conditions).</p> <p>Max. Operating Pressure : 25 bars Max. Short Term Service Temperature : 400°C Max. Continuous Service Temperature : 250°C Max. Operating Temperature for steam : 180°C</p>	Density	-	1.75 g/cm ³	≤ 10	≤ 10	≤ 10	≤ 10
			Tensile Strength	ASTM F 152	8.5 MPA				
			Compressibility	ASTM F 36	8-13 %				
			Rediual Stress	BS 7531	22 Mpa				
			Gas Permeability	BS 7531	<0.5 cc/Min				
			Recovery	ASTM F 36	≥ 45%				
			Water Absorbtion	BS 7531	≤ 5%				
			Ignition Loss	-	≤ 40%				
	<p>Champion® Style AF120 Steam. A Compressed synthetic Aramid fibre jointing sheet bonded with elastomers to create a matrix of stability.</p> <p>Colour : Green. *Available with wire gauze reinforcement and antistick coating.</p>	<p>Suitable for light industrial applications. Media: Water, Gases, Medium pressure Steam, Dilute Acids/Alkalies (Medium Service Conditions).</p> <p>Max. Operating Pressure : 50 bars Max. Short Term Service Temperature : 400°C Max. Continuous Service Temperature : 250°C Max. Operating Temperature for steam : 200°C</p>	Density	-	1.9 g/cm ³	≤ 10	≤ 10	≤ 10	≤ 10
			Tensile Strength	ASTM F 152	11.5 MPA				
			Compressibility	ASTM F 36	8-11 %				
			Rediual Stress	BS 7531	22 Mpa				
			Gas Permeability	BS 7531	<0.5 cc/Min				
			Recovery	ASTM F 36	≥ 45%				
			Water Absorbtion	BS 7531	≤ 5%				
			Ignition Loss	-	≤ 30%				
	<p>Champion® Style AF139 High Pressure. A high quality jointing sheet based on synthetic Aramid fibres bonded with NBR elastomer</p> <p>Colour : Red & Green. *Available with wire gauze reinforcement and antistick coating.</p>	<p>Suitable for use in applications, involving hydrocarbons such as oils and solvents, steam, gases, glycols and aqueous solutions. (Medium Service Conditions).</p> <p>Max. Operating Pressure : 150 bars Max. Short Term Service Temperature : 450°C Max. Continuous Service Temperature : 250°C Max. Operating Temperature for steam : 290°C</p>	Density	-	1.85 g/cm ³	≤ 8	≤ 8	≤ 8	≤ 8
			Tensile Strength	ASTM F 152	14 MPA				
			Compressibility	ASTM F 36	8-12 %				
			Rediual Stress	BS 7531	22 Mpa				
			Gas Permeability	BS 7531	<0.5 cc/Min				
			Recovery	ASTM F 36	≥ 40%				
			Water Absorbtion	BS 7531	≤ 5%				
			Ignition Loss	-	≤ 35%				
	<p>Champion® Style AF154. A superior performance compressed jointing sheet incorporating a blend of special heat resisting Aramid fibres with a high quality nitrile elastomer binder.</p> <p>Colour : Red & Green. *Available with wire gauze reinforcement and antistick coating.</p>	<p>Suitable for use with Oils, Solvents, Gases, Steam, Dilue Acids and alkalies. (High service conditions).</p> <p>Max. Operating Pressure : 25 bars Max. Short Term Service Temperature : 400°C Max. Continuous Service Temperature : 250°C Max. Operating Temperature for steam : 180°C</p>	Density	-	1.8 g/cm ³	≤ 8	≤ 8	≤ 8	≤ 8
			Tensile Strength	ASTM F 152	15 MPA				
			Compressibility	ASTM F 36	7-11 %				
			Rediual Stress	BS 7531	25 Mpa				
			Gas Permeability	BS 7531	<0.1 cc/Min				
			Recovery	ASTM F 36	≥ 50%				
			Water Absorbtion	BS 7531	≤ 5%				
			Ignition Loss	-	≤ 35%				
	<p>Champion® Style AF159 Oil. A premium grade jointing sheet based on special syntheticAaramid fibres bonded with nitrile elastomer.</p> <p>Colour : Red & Green. *Available with wire gauze reinforcement and antistick coating.</p>	<p>A universal grade suitable for many industrial sealing applications. Media: Hot oils, fuels, Hydrocarbons and refrigerants. (High service conditions).</p> <p>Max. Operating Pressure : 150 bars Max. Short Term Service Temperature : 400°C Max. Continuous Service Temperature : 250°C Max. Operating Temperature for steam : 250°C</p>	Density	-	1.7 g/cm ³	≤ 8	≤ 8	≤ 8	≤ 8
			Tensile Strength	ASTM F 152	15 MPA				
			Compressibility	ASTM F 36	10-14 %				
			Rediual Stress	BS 7531	25 Mpa				
			Gas Permeability	BS 7531	<0.1 cc/Min				
			Recovery	ASTM F 36	≥ 45%				
			Water Absorbtion	BS 7531	≤ 5%				
			Ignition Loss	-	≤ 35%				
	<p>Champion® Style AF160 Acid. A top quality acid resistant compressed synthetic Aramid fibre jointing sheet bonded with special binders.</p> <p>Colour : Red & Green. *Available with antistick coating.</p>	<p>Acid resitant grade. Recommended for use against hot, Concentrated organic/inorganic/mineral acids.</p> <p>Max. Operating Pressure : 150 bars Max. Short Term Service Temperature : 250°C Max. Continuous Service Temperature : 210°C Max. Operating Temperature for steam : 210°C</p>	Density	-	1.8 g/cm ³	≤ 8	≤ 8	≤ 8	≤ 8
			Tensile Strength	ASTM F 152	15 MPA				
			Compressibility	ASTM F 36	8-12 %				
			Rediual Stress	BS 7531	25 Mpa				
			Gas Permeability	BS 7531	<0.1 cc/Min				
			Recovery	ASTM F 36	≥ 45%				
			Water Absorbtion	BS 7531	≤ 5%				

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CHAMPION SEALS INDIA PVT. LTD
SEALANT & GASKET INDIA PVT. LTD.

Champion Building, First Floor, 15/18 Parsi Panchayat Road, Andheri (East), Mumbai - 400 069.

Tel.: +91 22 28367311-15 | Customer care: +91 98201 71162

Email: info@championseals.in | Website: www.championseals.in