

Some Of Our Prestigious Clients



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



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

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



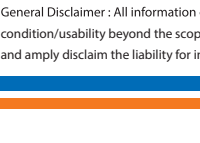
CHAMPION Style	Description	pH	Temperature °C	Pressure			Velocity		Size mm ²	
				Bar	Bar	m/s	Bar	m/s		
1	 Drylon Dry PTFE Gland Packing	0 - 14	-200 to +280	250	20	10	100	1	3-100	
2	 Neoflon Pure PTFE Gland Packing	0 - 14	-210 to +280	240	50	5	150	1	3-100	
3	 Utraflon™ Pure PTFE Lubricated Gland Packing	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	0 - 14	-200°C To 3300°C (Non-Oxidising) -200°C To 600°C (Oxidising) -200°C To 650°C (Steam)	200 Bar (Non-Metallic) & 500 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	 Duragold™ Impregnated PTFE Impregnated Aramid Gland Packing	3 - 12	-200 to +300	280	25	25	200	2	3-100	

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INSULATION PRODUCTS

CHAMPION Style	Description	pH	Temperature °C	Pressure			Velocity		Size mm ²
				Bar	Bar	m/s	Bar	m/s	
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

PTFE TAPES AND ROPE

CHAMPION Style	Description	pH	Temperature °C	Density	Width (W) / Thickness (T) / Length (L) / Diameter (D)	
					CT-125/190/250	 Champion PTFE Thread Seal Tape
CUJC-W-T	 Flex-O-Seal ePTFE Sealant Tape with adhesive back	0 - 14	Up to 260°	<0.6 g/cm ³	3mm to 50mm (Width) 1.5mm-10mm (T) Coils of 5M/10M/20M/30M (L)	
CUR	 Champion PTFE Universal Rope (CUR)	0 - 14	Up to 260°	<0.6 g/cm ³	3mm to 20mm (Diameter) Coils of 5M / 10M /30M (L)	

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

CHAMPION Style	Description	pH	Temperature °C	Valve			Rotary Pump		Reciprocating Pump		Size mm ²
				Bar	Bar	m/s	Bar	m/s	Bar	m/s	
672	Inconel Reinforced Jacketed Expanded Pure Graphite Gland Packing (High Performance)	0 - 14	-240 to +650	240	NA	NA	300	NA	NA	6-100	
668	Pure Graphite Braided Gland Packing	0 - 14	-200°C To 3300°C (Non-Oxidising) -200°C To 600°C (Oxidising) -200°C To 650°C (Steam)	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

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

CHAMPION Style	Description	pH	Temperature °C	Valve			Rotary Pump		Reciprocating Pump		Size mm ²
				Bar	Bar	m/s	Bar	m/s	Bar	m/s	
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		
660	Graphite Gland Packing Ring	0 - 14	-200°C To 3300°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 Metallic (High Pressure)	0 - 14		Pressure 450 Bar For Static							
664	Pre Cut Graphite Gasket (1.5 & 3 mm)	0 - 14		200 Bar (Non-Metallic) & 500 Bar (Metallic) for Static							

Bar = Operating Pressure. M/S = Velocity  Valve  Rotary Pump  Reciprocating Pump

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CHAMPION JOINTING SHEET- ASBESTOS FREE



STYLE	PRODUCT PROFILE	SERVICE CONDITIONS
	<p>Champion Style AF110 Steam. Champion Style AF110 is a reliable yet, cost-effective product manufactured from ecofriendly natural cellulose bonded with suitable mix of elastomers.</p> <p>Champion Style AF-110 Sheets are available in Non-Metallic and also in Metallic option (with wire reinforcement)with anti stick coating. This grade is produced in brown color.</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</p> <p>Max. Short Term Service Temperature : 300°C Max.</p> <p>Continuous Service Temperature : 200°C Max.</p> <p>Operating Temperature for steam : 180°C</p>
	<p>Champion Style AF120 Steam. Champion Style AF120 Non -Metalic is general purpose BS7531 Grade Y Asbestos-Free (AF) Jointing sheet. It is comprised of compressed aramid fibres and bonded with a combination of other functional fibres with a elastomer binder to create matrix of stability. This grade is produced in Green color.</p>	<p>Suitable for light industrial applications.</p> <p>Media: Water, Gases, Medium pressure Steam, Dilute Acids / Alkalies (Medium Service Conditions).</p> <p>Max. Operating Pressure : 50 bars</p> <p>Max. Short Term Service Temperature : 350°C Max.</p> <p>Continuous Service Temperature : 250°C Max.</p> <p>Operating Temperature for steam : 200°C</p>
	<p>Champion Style AF139 Steam Champion Style AF139 is higher performance BS7531 Grade X Asbestos-Free (AF) Jointing sheet. It is comprised of compressed aramid fibres and bonded with a combination of functional fibres with a elastomer binder to create a matrix of stability for thermal and chemical medium service. It is available in Non-Metallic and also in Metallic option (with wire re-inforcement & anti-stick properties- which minimizes adhesion of the gasket to flange surfaces even at elevated temperatures, resulting in reduced removal time). This grade is produced in Orange color.</p>	<p>Suitable for medium industrial applications and hydrocarbons.</p> <p>Media: Water, Gases, High pressure Steam, Oils, Solvents, Gases, Glycols, Aqueous Solutions (Medium Service Conditions).</p> <p>Max. Operating Pressure : 80 bars</p> <p>Max. Short Term Service Temperature : 400°C Max</p> <p>Continuous Service Temperature : 280°C Max.</p> <p>Operating Temperature for steam : 250°C</p>
	<p>Champion Jointing Style AF154 High Pressure Champion Jointing Style AF154 is special purpose BS7531 Grade X Asbestos-Free (AF) Jointing sheet. It is blend of superior heat resisting compressed aramid fibres bonded with a combination of other functional fibres along with nitrile elastomeric binders. It is available in Non-Metallic and also anti-stick properties- which minimizes adhesion of the gasket to flange surfaces even at elevated temperatures, resulting in reduced removal time). This grade is produced in Yellow color.</p>	<p>Suitable for usewith Oils, Solvents, Gases, Steam, Dilute Acids and alkalies. (High service conditions).</p> <p>Max. Operating Pressure : 150 bars</p> <p>Max. Short Term Service Temperature : 400°C</p> <p>Continuous Service Temperature : 300°C Max.</p> <p>Operating Temperature for steam : 280°C</p>
	<p>Champion Jointing Style AF159 Oil Champion Jointing Style AF159 is special purpose BS7531 Grade X Asbestos-Free(AF) Jointing sheet. It is blend of superior heat resisting compressed aramid fibres bonded with a combination of functional fibres along with nitrile elastomeric binders (NBR). It is available in Non-Metallic and also in Metallic option (with wire re-inforcement & anti-stick properties- which minimizes adhesion of the gasket to flange surfaces even at elevated temperatures, resulting in reduced removal time). This grade is produced in black color.</p>	<p>A universal grade suitable for many industrial sealing applications.</p> <p>Media: Hot oils, fuels, Hydrocarbons and refrigerants. (High service conditions).</p> <p>Max. Operating Pressure : 150 bars</p> <p>Max. Short Term Service Temperature : 400°C Max.</p> <p>Continuous Service Temperature : 300°C Max.</p> <p>Operating Temperature for steam : 280°C</p>
	<p>Champion Jointing Style AF160 Acid Champion Jointing Style AF160 Acid is special purpose BS7531 Grade X Asbestos-Free(AF) Jointing sheet. It is blend of superior heat resisting compressed aramid fibres bonded with a combination of functional fibres along with nitrile elastomeric binders (NBR).</p> <p>Champion AF-160 Sheets are available only in Non-Metallic. This grade is produced in Off-White color.</p>	<p>Acid resitant grade. Recommended for use against hot, Concentrated organic/inorganic/mineral acids.</p> <p>Max. Operating Pressure : 100 bars</p> <p>Max. Short Term Service Temperature : 300°C Max.</p> <p>Continuous Service Temperature : 250°C</p> <p>Max. Operating Temperature for steam : 210°C</p>

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TYPICAL PHYSICAL PROPERTIES			FLUID RESISTANCE			
			ASTM Oil No. 3		Fuel B	
			Thikness Increase %	Mass Increase %	Thikness Increase %	Mass Increase %
Density		1-7 to 2.2 gm/cm ³	≤ 10	≤ 10	≤ 10	≤ 10
Min Tensile Strength	ASTM F 152	7 N/mm ²				
Compressibility	ASTM F 36	8-11%				
Residual Stress	BS7531	≥ 22MPA				
Gas Permeability	BS7531	< 0.5 cc/Min				
Recovery	ASTM F 36	≥ 45%				
Water Absorption	BS7531	≤ 5%				
Ignition Loss		≤ 40%				
Density		1-7 to 2.2 gm/cm ³				
Min Tensile Strength	ASTM F 152	10 N/mm ²				
Compressibility	ASTM F 36	8-11%	≤ 10	≤ 10	≤ 10	≤ 10
Residual Stress	BS7531	< 22MPA				
Gas Permeability	BS7531	< 0.5 cc/Min				
Recovery	ASTM F 36	≥ 45%				
Water Absorption	BS7531	≤ 5%				
Ignition Loss		≤ 30%				
Density		1-7 to 2.2 gm/cm ³				
Min Tensile Strength	ASTM F 152	11.5N/mm ²				
Compressibility	ASTM F 36	8-11%				
Residual Stress	BS7531	< 22MPA				
Gas Permeability	BS7531	< 0.5 cc/Min				
Recovery	ASTM F 36	≥ 45%				
Water Absorption	BS7531	≤ 5%				
Ignition Loss		≤ 30%				
Density		1-7 to 2.2 gm/cm ³	≤ 8	≤ 8	≤ 8	≤ 8
Min Tensile Strength	ASTM F 152	15 N/mm ²				
Compressibility	ASTM F 36	7-11%				
Residual Stress	BS7531	< 25MPA				
Gas Permeability	BS7531	< 0.1 cc/Min				
Recovery	ASTM F 36	≥ 50%				
Water Absorption	BS7531	≤ 5%				
Ignition Loss		≤ 35%				
Density		1-7 to 2.2 gm/cm ³				
Tensile Strength	ASTM F 152	15 N/mm ²				
Compressibility	ASTM F 36	7-11%				
Residual Stress	BS7531	< 25MPA				
Gas Permeability	BS7531	< 0.1 cc/Min				
Recovery	ASTM F 36	≥ 50%				
Water Absorption	BS7531	≤ 5%				
Ignition Loss		≤ 35%				
Density		1-7 to 2.2 gm/cm ³	≤ 8	≤ 8	≤ 8	≤ 8
Tensile Strength	ASTM F 152	10 N/mm ²				
Compressibility	ASTM F 36	7-11%				
Residual Stress	BS7531	< 25MPA				
Gas Permeability	BS7531	< 0.1 cc/Min				
Recovery	ASTM F 36	≥ 50%				
Water Absorption	BS7531	≤ 5%				
Ignition Loss		≤ 35%				
Density		1-7 to 2.2 gm/cm ³				
Tensile Strength	ASTM F 152	10 N/mm ²				
Compressibility	ASTM F 36	7-11%				
Residual Stress	BS7531	< 25MPA				
Gas Permeability	BS7531	< 0.1 cc/Min				
Recovery	ASTM F 36	≥ 50%				
Water Absorption	BS7531	≤ 5%				
Ignition Loss		≤ 35%				

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