



CHAMPION ASBESTOS FREE COMPRESSION PACKINGS

INTRODUCTION:

Champion  is a leader in industrial sealing technologies since 1959, manufacturing and supplying a comprehensive range of engineered flange gaskets and sealing solutions. This outstanding range of products and services make Champion  India's No.1 Gasket Sealing Brand.

CHAMPION® Style	Material Specification	pH	Temperature				Size		
			Maximum	Bar	Bar	m/s	Bar	m/s	mm ²
			Minimum	psi	psi	fpm	psi	fpm	
PTFE-based	 1	0 - 14	+280°C / +536°F	250	150	0.5	20	5	3-100
	-268°C / -450°F		3636	2175	98	290	984		
	 2	0 - 14	+280°C / +536°F	250	150	0.5	20	5	3-100
	-268°C / -450°F		3636	2175	98	290	984		
	 3	0 - 14	+260°C / +500°F	150	150	1.0	25	10	3-100
	-200°C / -328°F		2175	2175	196	362	1968		
	 30	0 - 14	+200°C / +360°F	150	100	1.0	25	10	6-100
	-100°C / -180°F		2175	1450	196	362	1968		
 6094	0 - 14	+250°C / +482°F	100	100	10	20	10	3-100	
-50°C / -58°F		1450	1450	1968	290	1968			
 374	0 - 14	+150°C / +302°F	80	50	1	10	5	6-100	
-40°C / -40°F		1160	725	197	145	984			
 2224	0 - 14	+150°C / +302°F	240	100	1	25	9	6-100	
-40°C / -40°F		3480	1450	196	362	1771			
PTFE Graphite-based	 23	3 - 14	+260°C / +500°F	200	150	20	20	2	3-100
	-200°C / -328°F		2900	2175	3937	290	393		
 36	3 - 14	+280°C / +536°F	200	100	2.0	35	25	3-100	
-200°C / -328°F		2900	1450	393	507	4921			








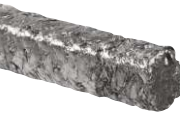





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CHAMPION® Style	Material Specification	pH	Temperature				Size		
			Maximum	Bar	Bar	m/s	Bar	m/s	mm ²
			Minimum	psi	psi	fpm	psi	fpm	
PTFE Graphite-based	 536 Champion Graflon™ Premium ePTFE Graphite Hollow Core Gland Packing	0 - 14	+280°C / +536°F	200	80	2.0	35	17.5	6-100
	-200°C / -328°F		2900	1160	393	507	3444		
	 63 Champion Graflon™ PTFE Graphite Gland Packing	0 - 14	+260°C / +468°F	120	80	2.0	20	17.5	6-100
	-100°C / -148°F		1740	1160	393	290	3444		
	 5375 Champion Kombiflon™ Combination Hollow Core Gland Packing for Slurry Applications	0 - 14	+280°C / +536°F	250	80	2.0	20	17.5	6-100
	-100°C / -148°F		3625	1160	393	290	3444		
 6373 Champion Kombiflon™ Combination Gland Packing for Abrasive Media	2 - 12	+280°C / +536°F	120	80	2.0	20	15	6-100	
-100°C / -148°F		1740	1160	393	290	2950			
 6375 Champion Kombiflon™ Combination Gland Packing for Slurry Application	1 - 13	+280°C / +536°F	250	100	2.0	20	24	6-100	
-100°C / -148°F		3625	1450	393	290	4725			
 6376 Champion Kombiflon™ Combination Gland Packing for Abrasive Chemical Media	2 - 13	+280°C / +536°F	150	80	2.0	20	17.5	6-100	
-100°C / -148°F		2175	1160	393	290	3444			
Carbon / Graphite based	 38 & 40(Inconel) Champion Carbosuper™ / Carbonel™ Premium Carbon Gland Packing	2 - 13	+650°C / +1200°F (Steam)	300	150	2.0	20	2	3-100
	+460°C / + 842°F		4350	2175	393	290	393		
	-200°C / -328°F								
	 83G Champion Carbosuper™ Carbon Gland Packing	2 - 13	+650°C / +1200°F (Steam)	300	150	2.0	20	2	6-100
	+460°C / + 842°F		4350	2175	393	290	393		
-200°C / -328°F									
 66 Champion Grafosuper™ Premium Graphite Gland Packing	0 - 14	+550°C / +1022°F (Steam & Oxidising)	150	NA	NA	NA	NA	3-100	
-50°C / -58°F		2175	NA	NA	NA	NA			
 668 (N/M) Champion Graphite Pure Expanded Graphite Gland Packing	0 - 14	+650°C / +1200°F (Steam)	300	200	2.0	25	20	3-100	
+450°C / +842°F (Oxidising)		4350	2900	393	362	3937			
-200°C / -328°F									

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CHAMPION® Style	Material Specification	pH	Temperature				Size		
			Maximum	Bar	Bar	m/s	Bar	m/s	mm ²
			Minimum	psi	psi	fpm	psi	fpm	
Carbon / Graphite based	668 (SS Wire) 	0 - 14	+650°C / +1200°F (Steam) +450°C / +842°F (Oxidising)	350	NA	NA	NA	NA	3-100
	-200°C / -328°F		5076	NA	NA	NA	NA		
	668 (Inconel) 	0 - 14	+650°C / +1200°F (Steam) +450°C / +842°F (Oxidising) +1000°C / +1800°F (Non Oxidising)	300	NA	NA	25	20	3-100
	-200°C / -328°F		4351	NA	NA	362	3937		
	68RC 	0 - 14	+650°C / +1170°F	250	100	2.0	20	20	6-100
	-50°C / -58°F		3625	1450	393	290	3937		
68CC 	0 - 14	+650°C / +1200°F (Steam) +450°C / +842°F (Oxidising)	300	200	2.0	35	20	6-100	
-200°C / -328°F		4350	2900	393	507	3937			
672 	0 - 14	+650°C / +1200°F (Steam) +450°C / +842°F (Oxidising) +1000°C / +1800°F (Non Oxidising)	450	NA	NA	NA	NA	6-100	
-200°C / -328°F		6526	NA	NA	NA	NA			
Aramid-based	172 	0 - 14	+250°C / +482°F	250	100	2.0	20	20	4-100
	-100°C / -148°F		3626	1450	393	290	3937		
	173 	0 - 14	+280°C / +536°F	150	80	1.5	25	15	6-100
	-100°C / -148°F		2175	1160	295	363	2952		
	174 	0 - 14	+250°C / +482°F	250	150	2.0	35	20	3-100
	-200°C / -328°F		3626	2175	393	507	3937		
175 	0 - 14	+250°C / +482°F	250	150	2	35	20	3-100	
-200°C / -328°F		3626	2175	393	507	3937			
176 	0 - 14	+280°C / +536°F	250	100	2	25	24	5-100	
-200°C / -328°F		3626	1450	393	363	4725			

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CHAMPION® Style	Material Specification	pH	Temperature		Bar			m/s		Size mm ²
			Maximum	Bar	Bar	m/s	Bar	m/s		
			Minimum	psi	psi	fpm	psi	fpm		
Special Fibre-based	6800 	0 - 14	+250°C / +482°F	100	20	2	20	2	6-50	
	-50°C / -58°F		1450	290	393	290	2952			
	376 	6 - 8	+150°C / +302°F	80	50	1	10	5	3-50	
	-40°C / -40°F		1160	725	197	145	984			
2222 	6 - 8	+120°C / +248°F	80	50	2	25	10	6-50		
-40°C / -40°F		1160	725	393	362	1969				
3116 	Champion Natural Fibre Graphited Gland Packing	6 - 8	+150°C / +302°F	80	50	1	10	5	6-50	
-40°C / -40°F			1160	725	197	145	984			

Champion Style	2	3	30	36	38	63	66	83G	174	176	668 NM	668 M	68 RC/CC
Material of Construction	ePTFE/PTFE	ePTFE/PTFE with Lubricant	PTFE/PTFE with Lubricant	ePTFE/Graphite	Carbon/PTFE	PTFE/Graphite with Lubricant	High Purity Graphite Filament	Carbon/Graphite	P-Aramid/PTFE	ePTFE/Graphite/P-Aramid	Expanded Graphite	Expanded Graphite Reinforced Metallic	Expanded Graphite/Carbon Reinforced
Density (g/cm3)	1.45	1.6	1.55	1.5	1.3	1.35	1.15	1.3	1.4	1.5	0.95	1	0.95

PRODUCT COMPATIBILITY

Water	●	●	●	●	●	●	●	●	●	●	●	●	●
Sewage	●	●	●	●	○	●	○	○	●	●	○	○	○
Hot Water	●	○	○	●	●	●	●	●	○	○	●	●	●
Steam [<280°C]	○	○	○	○	●	○	●	○			●	●	●
Steam [<550°C]							○				○	○/●	○
Abrasive Products		○		○					●	●			
Food / Pharmaceutical	●	●	○	○		○			○	○	○		
Oxygen	●	○											
Diluted Acids	●	●	●	●	○	●	●	○	○	○	●	●	●
Concentrated Acids	●	●	●	●		●	○				○	○	○
Diluted Alkaline, Salt Solutions	●	●	●	●	●	●	●	●	○	○	●	●	●
Concentrated Alkaline	●	●	●	●	○	●	○	○			○	○	○
Heat Transfer Oil	○	●	○	●	○	●	○	○	○	○	○	○	○
Lubricants, Grease	●	●	○	●	○	●	○	○	○	○	○	○	○
Solvent, Hydrocarbons	●	●	●	●	○	○	○	○			○	○	○
Adhesive, Bitumen	○	○	○	○	○	○	○	○	●	●			
Paint	●	○	○	○		○		○	●	●	○	○	○

Not all technical limits should appear at the same time. ○ - Alternative suggested; ● - Recommended

Form of Delivery: These packing can be manufactured in dimensions 3mm-100mm as well as in intermediate, inch sizes and special measurements. Available in Square as standard and Round as special. Typically packings are available 3-5mm in 10M Coils, 6-16mm -1kg Coils, >16-25mm -2.5kg Coils, Special Length, pre-cut or die formed rings on request.

General Disclaimer: All information given is intended as for general guidelines. Product offered is one of the many consumable items among various parts that constitute the equipment. In view of the various variable operating conditions/equipment condition/usability beyond the scope of our purview, any form of guarantee/warranty on the performance cannot be given nor implied. The purchaser/user is expected to understand the products application/suitability well before use. We hereby clearly and amply disclaim the liability for incidental/sequential damages arising out of equipment damage/injury or any other complications/claim rising out of the use/utility of products.

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