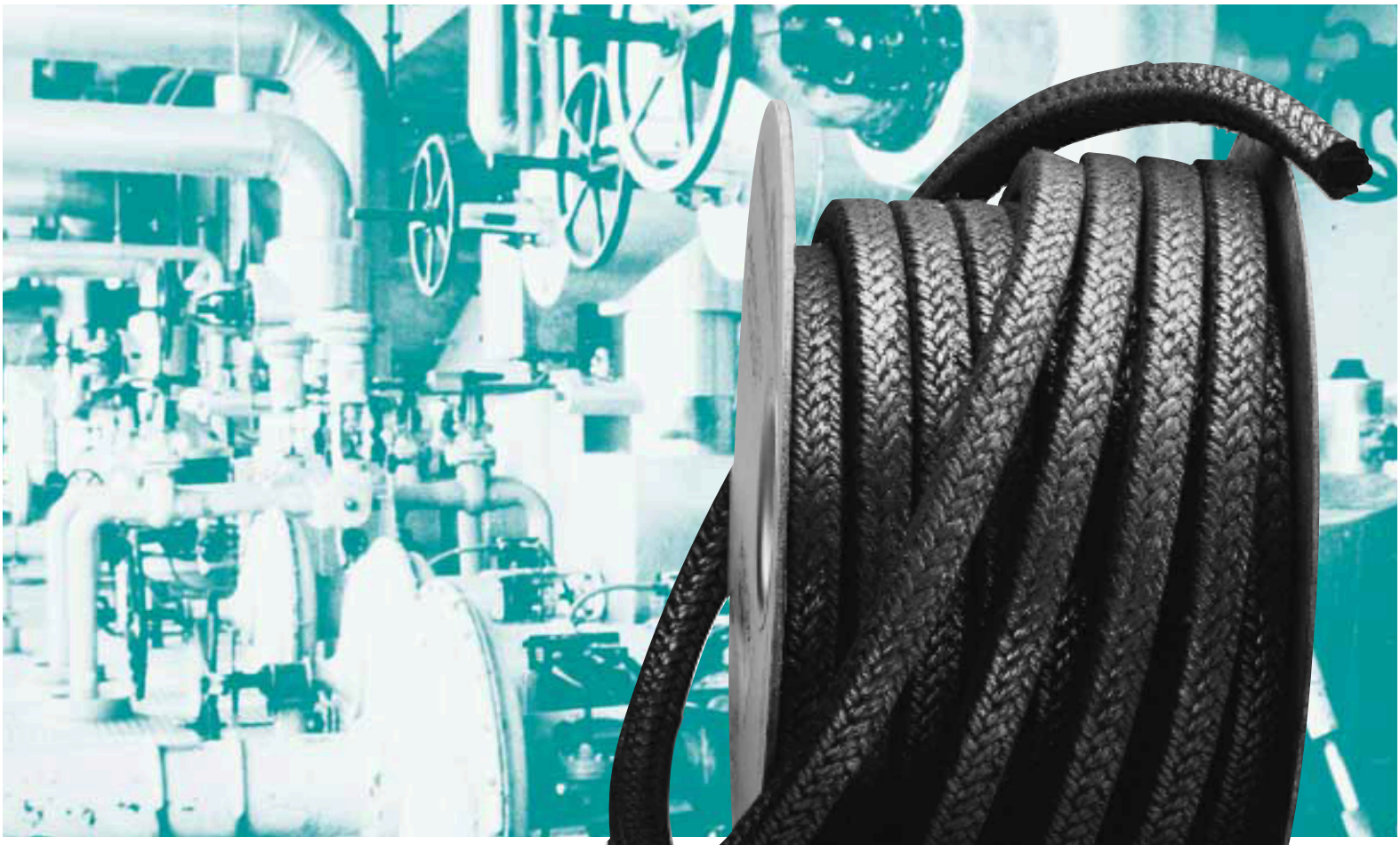


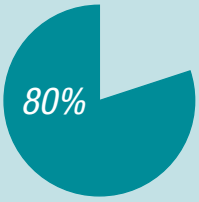
477-1

Strong, yet pliable, continuous filament carbon yarn

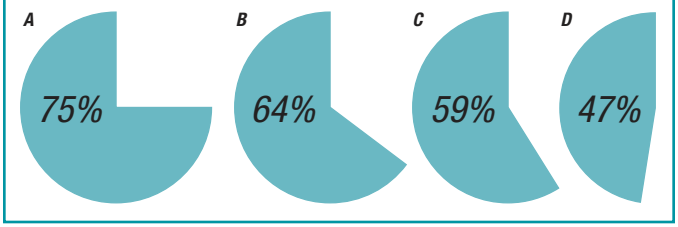
Unique inorganic blocking agent stops gas/liquid penetration

Molybdenum based corrosion inhibitor prevents stem pitting

CHESTERTON® 477-1 is designed for general valve services in steam, water, solvents, acids and alkalies to 1,050°F (565°C), 3,600 psi (250 bar), and pH 0–13. It can be used in shaft or rod services to speeds of 3,000 fpm (15 m/sec).



CHESTERTON 477-1 has the highest percentage of carbon of all major competitors for less consolidation and more reliable service up to pressure and temperature limits. Higher quality carbon precursors make 477-1 easier to braid without fraying or fiber damages. Brands A, B, C and D require more sizing agents to assist in the braiding of lower quality, more brittle carbon fibers.



CHESTERTON®

ISO 9001 CERTIFIED

CHESTERTON®
477-1

General Service Valve Packing

CHESTERTON® 477-1 carbon fiber packing combines a new yarn formulation with superior blocking agents. New low modulus yarn provides the strength associated with continuous filament carbon fibers plus greater flexibility. This makes 477-1 strong yet pliable, without the brittleness of conventional carbon packing. 477-1 incorporates a high purity dispersion of inorganic platelets which prevent penetration of gases or liquids through the packing. Interbraid construction locks these blocking agents within the packing ring.

Valve Services

- Steam valves to 1050°F (565°C)
- Hot water above 500°F (260°C)
- As end rings for CHESTERTON 1400 High Performance Valve Packing for guaranteed emissions control service
- As a replacement for costly die-formed rings or wire inserted packings when service demands permit.

Rotating and Reciprocating Services

- Hot oil pumps
- Soot blowers
- Brown stock pumps
- High speed refiners and hydropulpers
- Condensate and boiler feed pumps

477-1 *APPROXIMATE DATA*

A	B	C	D	E	F	G
1/8	3,0	2	0,908	004752	116	77,9
3/16	5,0	2	0,908	004754	50	33,5
–	6,0	2	0,908	004756	36	24,2
1/4	6,5	2	0,908	004730	31.3	21,0
		5	2,270	004731		
5/16	8,0	2	0,908	004733	19.8	13,3
		5	2,270	004734		
3/8	9,5	2	0,908	004722	13.8	9,3
		5	2,270	004723		
		10	4,540	004724		
–	10,0	2	0,908	004758	12.4	8,3
		5	2,270	004759		
7/16	11,0	2	0,908	004736	10.3	6,9
		5	2,270	004737		
–	12,0	2	0,908	004782	9.6	6,5
		5	2,270	004791		
1/2	12,5	2	0,908	004726	8.3	5,6
		5	2,270	004727		
		10	4,540	004728		
9/16	14,0	5	2,270	004739	6.5	4,4
		10	4,540	004740		
5/8	16,0	10	4,540	004742	5.2	3,5
11/16	17,5	10	4,540	004744	4.2	2,8
3/4	19,0	10	4,540	004700	3.5	2,4
13/16	20,5	10	4,540	004793	3.1	2,1
7/8	22,0	10	4,540	004746	2.7	1,8
15/16	24,0	10	4,540	004796	2.4	1,6
1	25,5	10	4,540	004748	2.1	1,4

KEY:
A *– Size/inches*
B *– Size/Millimeters*
C *– Packaged ± 10% Lbs.*
D *– Packaged ± 10% Kg.*
E *– Reorder Product No.*
F *– Lengths per Weight Ft./Lb.*
G *– Lengths per Weight M/Kg.*

400 SERIES

477-1 is part of the CHESTERTON 400 Series of high performance packings featuring new materials and designs for cost-effective, general service use.

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