

MEET ENVIRONMENTAL AND BUSINESS GOALS

Chesterton® mechanical packings and gaskets enable our customers to meet their goals by offering the right product fit for every application on static equipment.

Value and Performance Programs

There are many different applications in a process plant and across industries. Critical applications need a top quality performance packing, while a standard packing might be fully adequate for less demanding applications.

- High-quality performance packing
- Standard packing range
- Solutions for every plant and industry
- Total cost focus

Reliability and Environmental Protection

Live loading for flanges, and valves increases reliability and performance while reducing emissions and leakage by adjusting for system issues that affect packing performance.

Application-Specific Solutions

For some applications a plant-wide packing just won't do and some applications have requirements that need a unique solution. Chesterton has developed distinct products that allow the best performance for specific pieces of equipment and particular service conditions in a variety of industries. Examples are:

- Soot blower solutions for the power industries
- Solutions for solvent dewaxing units in the oil refining industry





Valve Packing and Gaskets Application Guide

Please contact your local Chesterton Representative to help you select the best product for your application.

Family	Product	Media			Duty		Key Benefit			Equipment					
		Water	Steam	Chemicals	High Temperatures	High Pressures	Reliability	Economy Solution	Emissions	Control Valves	Block Valves	Motor Operated Valves	Pipe Flanges	Heat Exchangers	Housings
Valve Packings	1600	√++	√++	√++	√++	√++	√++		√+		√++				
	1622		√+	√++	√++	√++	√++		√++		√++				
	1724	√++		√++		√+	√++		√++	√++	√++	√++			
	1724 low E			√++	√+	√+	√++		√++	√++					
	5800	√++	√++	√++	√++	√+	√++			√++					
	5800E	√++	√+	√++	√++	√++	√++		√+	√++					
	5800T	√++	√+	√++	√+	√	√++		√+	√++					
	5300/5200 Valve Live Loading	√++	√++	√++	√++	√++	√++		√+	√+	√++	√++			
Flange Sealing	455EU	√++	√	√+	√+	√+	√+	√++	√+				√++		√++
	459	√++	√++	√++	√++	√++	√+	√+	√+				√+	√+	√++
	553	√++	√+	√+	√+	√+	√++	√+	√++				√++		√++
	Duragraf F	√++	√++	√++	√++	√+	√+	√++	√+				√++		√++
	Duragraf T	√++	√++	√++	√++	√+	√+	√++	√+				√++	√+	√++
	ECS-T	√++	√+	√++	√+	√+	√++		√++				√++		√++
	Spiral Wound Gasket SG/SGI/SR/SRIR	√++	√++	√++	√++	√++	√+	√++	√++				√++		
	Camprofile Gasket KG1/KR	√++	√++	√++	√++	√++	√++		√++				√++	√++	
	Steel Trap™ Gasket	√++	√++	√++	√++	√++	√++		√++				√++	√++	√++
	Flange Live Loading		√++	√++	√++	√++	√++		√++				√++	√++	√++

√++ = Best Choice

√+ = Better Choice

√ = Good Choice

LIVE LOADING

Flanges and Heat Exchangers

Increase reliability, lower emissions, and reduce total costs by using tailored sealing solutions for critical flanges.



Sealing Solutions for Stationary Equipment

Technical Data	5500	5505L	5505H
Materials	Specialized stainless steel alloy	High-strength, high-temperature-resistant and corrosion-resistant stainless steel alloy	Chromium steel with oxide coating
Temperature	-200°C to 300°C (-328°F to 575°F)	-100°C to 350°C (-148°F to 662°F)	0°C to 600°C (32°F to 1100°F)
Corrosion resistance	good	good	average
Applications	Use in combination with Chesterton® Camprofile or Steel Trap™ gaskets on process flanges, heat exchangers, vessels, reactors, valve bonnets, housings, sight glasses		
Warranty	3 year warranty (see flange live loading warranty for conditions)		

Chesterton Live Loading System

Chesterton Flange Live Loading increases flange reliability by increasing the elastic energy in the flange assembly. This ensures that a pre-calculated gasket stress is maintained at all times, regardless of pressure fluctuations, gasket thickness loss, or thermal cycles. Chesterton Flange Discs are specially designed for flange applications and maintain their flexibility under extreme mechanical and thermal conditions.

- Shutdown to shutdown reliability
- Significantly reduces downtime on critical equipment
- Lowers emissions and meets environmental regulations
- Reduces leakage and product loss
- Reduces safety and housekeeping concerns
- Improves plant efficiency and reduces total cost



Standards and approvals available on page 90.

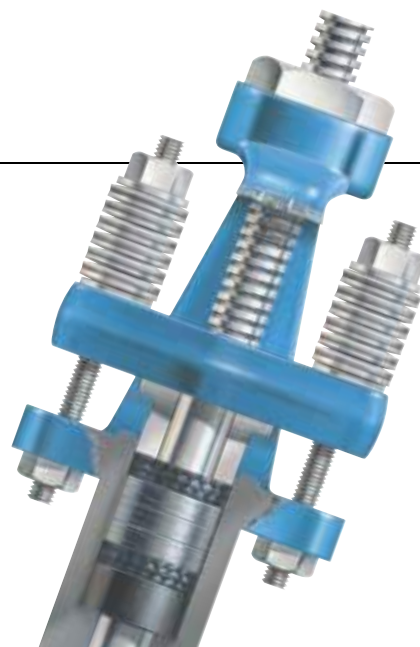


Valves

An engineered sealing system that maintains operability and improves reliability—from shut down to shut down—in compliance with environmental regulations.

Technical Data	
Materials	5300 die-formed graphite packing with style 1600 Inconel®-reinforced braided graphite packing, carbon bushing, live loading spring sets.
Pressure Limit	317 bar g (4 600 psig)
Temperature	
Maximum	2 760°C (5 000°F) in a non-oxidizing atmosphere
	430°C (800°F) in an oxidizing atmosphere
Minimum	-240°C (-400°F)
pH	0 to 14 with the exception of oleum, fuming nitric acid, aqua regia, fluorine, hydrochloric acid, and hydrofluoric acid.
Applications	Block valves and air/motor-operated valves in the Power, Petrochemical, Oil Refining, Chemical, and other industries.
Warranty	5-year warranty (see valve emissions warranty for conditions)

Chesterton 5300 and 1600 sealing solutions pass API 589 Fire Test



Sealing Solutions
for Stationary Equipment

- Improves reliability in critical valves
- Compensates for system pressure upsets, vibrations, and thermal cycling
- Prevents leakage by gland force retention
- Extends MTBR
- Reduces maintenance costs
- Reduced stem friction ensures operability

Components



Other Versions



Chesterton® 5800 Control Valve Live Loading Kits

5800 Graphite Wedge Packing reduces valve stem friction by 30% compared to square cross-section, die-formed graphite.

Standards and approvals available on page 90.

EMISSIONS CONTROL

1622 Low Emissions Valve Packing

Emission Control Packing for Block Valves

Chesterton 1622 Emissions Packing is designed to minimize valve emissions and exceeds current emissions requirements for the refinery, petrochemical, and chemical industries.

Guaranteed to seal less than 100 ppm for 5 years per EPA method 21.



Technical Data

Materials	Inconel wire-reinforced flexible graphite packing with special blocking agents
Available Sizes	3,2 mm to 17,5 mm (1/8" to 1")
Pressure	355 bar g (5 000 psig)
Temperature	Max 650°C (1 200°F) steam (850°F) oxidizing atmosphere
pH	0 to 14 except in strong oxidizers
Applications	Block valves with emission requirements in the refining, petrochemical, and chemical industries

- Extremely low emissions
- Fire safe
- Single spool packing
- High-pressure capability

1724 Low E Control Valve System

Emission Control Sealing System for Control Valves

Chesterton® 1724 Low E is specially designed for control valves that require a minimal level of fugitive emissions. Kits can be designed to upgrade existing control valves to Low E performance. Special pre-engineering kits are designed to fit Fisher®, Valtek® and Masoneilan® Valves.

Guaranteed to seal less than 100 ppm for 5 years per EPA method 21.



Technical Data

Materials	Die-formed braided PTFE packing, split carbon spacer, cartridge live loading assemblies, new gland studs and nuts (for special pre-engineering kits for Fisher, Valtek, and Masoneilan Valves only)
Temperature Limit	205°C (400°F)
Chemical Resistance	pH 0-14 except for molten alkali metals, elemental fluorine, and strong oxidizers
Applications	Control valves with emissions requirements in the refining, petrochemical, and chemical industry

- Reduce emissions without valve replacement
- Visual torque inspection minimizes "hot" re-torques reducing safety risks
- Easy to install

Standards and approvals available on page 90.

VALVE PACKING

1600

Advanced Valve Stem Packing

Off-the-shelf performance with emission guarantee.

Technical Data

Materials	Inconel wire-reinforced flexible graphite packing		
Applications	Block valves, as an end ring on control valves, motor operated valves and sootblowers		
Available Sizes	3,2 mm to 25,4 mm (1/8" to 1")		
Pressure Limit	580 bar g (8 400 psig)	Temperature	Max 650°C (1200°F) steam Max 455°C (850°F) oxidizing atmosphere
pH	0 to 14 except strong oxidizers		



- Fire safe
- Excellent emission control
- High-pressure capability
- Guaranteed performance
- Easily cut to size on site

1724

PTFE Valve Packing

Excellent emission control and chemical resistance.

Technical Data

Materials	PTFE yarn with protective lubricants		
Applications	Block valves, motor operated valves, control valves		
Available Sizes	3,2 mm to 25,4 mm (1/8" to 1")		
Pressure Limit	210 bar g (3 000 psig)	Temperature Limit	260°C (500°F)
pH	0 to 14		



- Excellent chemical resistance
- Excellent emission control
- Remains flexible

5800

Graphite Wedge Packing

Patented control valve sealing solution designed to lower valve stem friction and improve sealability.

Technical Data

Materials	Die-formed high-purity graphite		
Applications	Control valves		
Pressure	210 bar g (3 000 psig) no end rings 310 bar g (4 500 psig) 1600 end ring	Temperature Limit	2 760°C (5000°F) non-oxidizing atmosphere 430°C (800°F) oxidizing atmosphere
pH	0 to 14		



- Dramatically improved valve stem response
- Low emissions guarantee
- Excellent chemical and temperature resistance

Standards and approvals available on page 90.

SEMI-METALLIC GASKETS

Camprofile

High Performance, Semi-Metallic Gasketing

Highly reliable flange gasket with excellent emission control.

Technical Data

Materials	Stainless steel carrier with a graphite or PTFE sealing element (more materials available)		
Applications	Pipe flanges, heat exchangers, vessels, reactors, valve bonnets, housings		
Pressure Limit	300 bar g (4 350 psig)	Temperature	graphite sealing layer 550°C (1 020°F) inert media -200°C to 900°C (-328°F to 1 650°F) PTFE sealing layer 300°C (572°F)
pH	0 to 14		



- Certified low emission performance
- High reliability
- DIN and ANSI standard gaskets
- Custom shapes available, including heat exchanger gaskets

Spiral Wound

Economical, Semi-Metallic Gasketing

Excellent emission performance in an all-around general plant gasket.

Technical Data

Materials	Stainless steel windings with graphite or PTFE sealing layer, stainless steel inner ring, coated carbon steel outer ring (more materials available)		
Applications	Pipe flanges, vessels, reactors, valve bonnets, housings		
Pressure Limit	350 bar g (725 psig)	Temperature Limit	graphite sealing layer 450°C (840°F) PTFE sealing layer 300°C (570°F)
pH	0 to 14		



- Economical, semi-metallic solution
- Low emissions
- DIN and ANSI standard gaskets and custom shapes available
- Various configurations

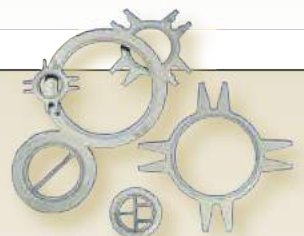
Steel Trap™ Gasket

High Performance, Semi-Metallic Gasket

An innovative flange sealing system for safe and permanent sealing of flanges in severe services.

Technical Data

Materials	Metal carrier from virtually any metal with graphite, PTFE, or ceramic sealing elements		
Applications	Pipe flanges, heat exchangers, vessels, reactors, valve bonnets, housings		
Pressure Limit	415 bar g (6 000 psig)	Temperature	Atmosphere -200°C to 500°C (-328°F to 932°F) Steam up to 650°C (1 200°F) Inert media -200°C to 900°C (-328°F to 1 650°F)
pH	0 to 14		



- Thin design and soft sealing material encapsulation provides increased blow-out safety
- Replaces sheet gasketing without equipment modification
- Can be manufactured in virtually any shape

Standards and approvals available on page 91.



SHEET GASKETS

Duragraf F

Expanded Graphite Sheet

An easy-to-use, economical, general service graphite sheet with a flat stainless steel insert.

Technical Data	
Materials	Flexible graphite with a 50 µm 316SS stainless steel flat insert
Applications	Pipe flanges, vessels, reactors, valve bonnets, housings
Available Thicknesses	1 mm, 1,5 mm, 2 mm, 3 mm
Sheet Size	1 000 mm x 1 000 mm (39" x 39")
Pressure Limit	100 bar g (1 450 psig)
Temperature Limit	500°C (932°F)
pH	0 to 14



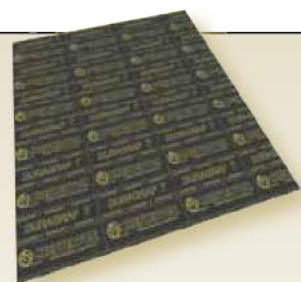
- Easy to cut by hand
- Excellent performance in steam and aggressive media
- Available as a pre-cut gasket in standard and custom sizes

Duragraf T

Expanded Graphite Sheet

High-purity graphite sheet with a tanged stainless steel insert.

Technical Data	
Materials	Flexible graphite with a 100 µm 316SS tanged stainless steel insert
Applications	Pipe flanges, vessels, reactors, valve bonnets, housings
Available Thicknesses	1 mm, 1,5 mm, 2 mm, 3 mm
Sheet Size	1 500 mm x 1 500 mm (59" x 59")
Pressure Limit	120 bar g (1 740 psig)
Temperature Limit	500°C (932°F)
pH	0 to 14



- Available in nuclear grade
- Mechanically bonding assures purity
- Available as a pre-cut gasket in standard and custom sizes

459

Graphite Sheet with Nickel Reinforcement

Technical Data	
Materials	Flexible graphite with a 0,026 mm nickel flat insert
Applications	Pipe flanges, vessels, reactors, valve bonnets, housings
Available thicknesses	1 mm, 1,6 mm (1/16"), 2 mm, 3,2 mm (1/8")
Sheet Size	1 000 x 1 000 mm (39" x 39")
Pressure Limit	140 bar (2 000 psi)
Temperature Limit	870°C (1 600°F) non-oxidizing, 454°C (850°F) oxidizing, minimal -200°C
Chemical Resistance	pH 0-14



- Easy to cut manually
- Excellent pressure capability
- High-temperature capability
- High chemical resistance

Standards and approvals available on page 91.

455EU

General Service Gasket Sheet

Multi-purpose gasket with excellent performance in low pressure steam and light chemicals.

Technical Data

Materials	Aramid fibres, special fillers, and an NBR binder		
Applications	Liquids and gaseous media, drinking water applications, general applications in industry		
Available Thicknesses	0,5 mm, 1 mm, 1,5 mm, 2 mm, 3 mm		
Sheet Size	1 500 mm x 1 500 mm (59" x 59")		
Pressure Limit	85 bar g (1 230 psig)	Temperature Limit	250°C (482°F)

BS 7531 Grade Y



- Economical gasket for general process applications
- Works in steam and light chemical applications
- Available as a pre-cut gasket in standard and custom sizes

553

Environmental Gasket

Specifically designed to keep the environment free from hazardous substances by combining an ecological composition with excellent sealing properties.

Technical Data

Materials	Aramid fibres, glass fibres, special fillers, and an NBR binder		
Applications	Oils, gases, chemicals, refrigerants, steam, water in all industries		
Available Thicknesses	0,5 mm, 1 mm, 1,5 mm, 2 mm, 3 mm		
Sheet Size	1 500 mm x 1 500 mm (59" x 59")		
Pressure Limit	120 bar g (1 740 psig)	Temperature Limit	450°C (842°F)

BS 7531 Grade X



- Works in steam, chemicals, and a variety of hydrocarbons
- Excellent general service refinery gasket
- High-temperature and pressure capability

ECS-T

PTFE Sheet Gasket

Filled PTFE sheet with excellent mechanical properties and outstanding chemical resistance.

Technical Data

Materials	PTFE with fillers		
Applications	High pressure and temperature services, especially in chemical and hydrocarbon plants in strong acids		
Available Thicknesses	1 mm, 1,5 mm, 2 mm, 3 mm		
Sheet Size	1 500 mm x 1 500 mm (59" x 59") except 1 mm thickness: 1 200 mm x 1 200 mm (47" x 47")		
Pressure Limit	83 bar g (1 200 psig)	Temperature Limit	260°C (500°F)
pH	0 to 14		



- High chemical resistance
- Excellent in strong acids
- Available as a pre-cut gasket in standard and custom sizes

Standards and approvals available on page 91.

Ancillary Products

Bolted flange connections rely on accurate tensioning to assure leak tightness. Accurate tensioning is impossible on unlubricated bolts. Chesterton anti-seize products provide a consistent coefficient of friction between the bolt and nut threads, therefore assuring no leakage and low fugitive emissions. Go to page 60.



785 & 785 FG
High performance, extreme pressure anti-seize compound. Go to page 62.



783 ACR
Anti-seize with excellent corrosion protection for nuts and bolts and mechanical assemblies. Go to page 62.



615 HTG
High performance grease for severe operating conditions. Go to page 60.



652 Pneumatic Lubricant and Conditioner
Cleans, protects, and prolongs the life of pneumatic equipment and air-operated valves. Go to page 60.



800 GoldEnd Tape
Heavy-duty, high-density PTFE sealing tape. Go to page 64.

Valve Solutions

With continuous research and state-of-the-art advancement, Chesterton offers a full-line of packing and gasketing technology. Our proven expertise delivers the highest performing sealing systems for a wide range of applications.



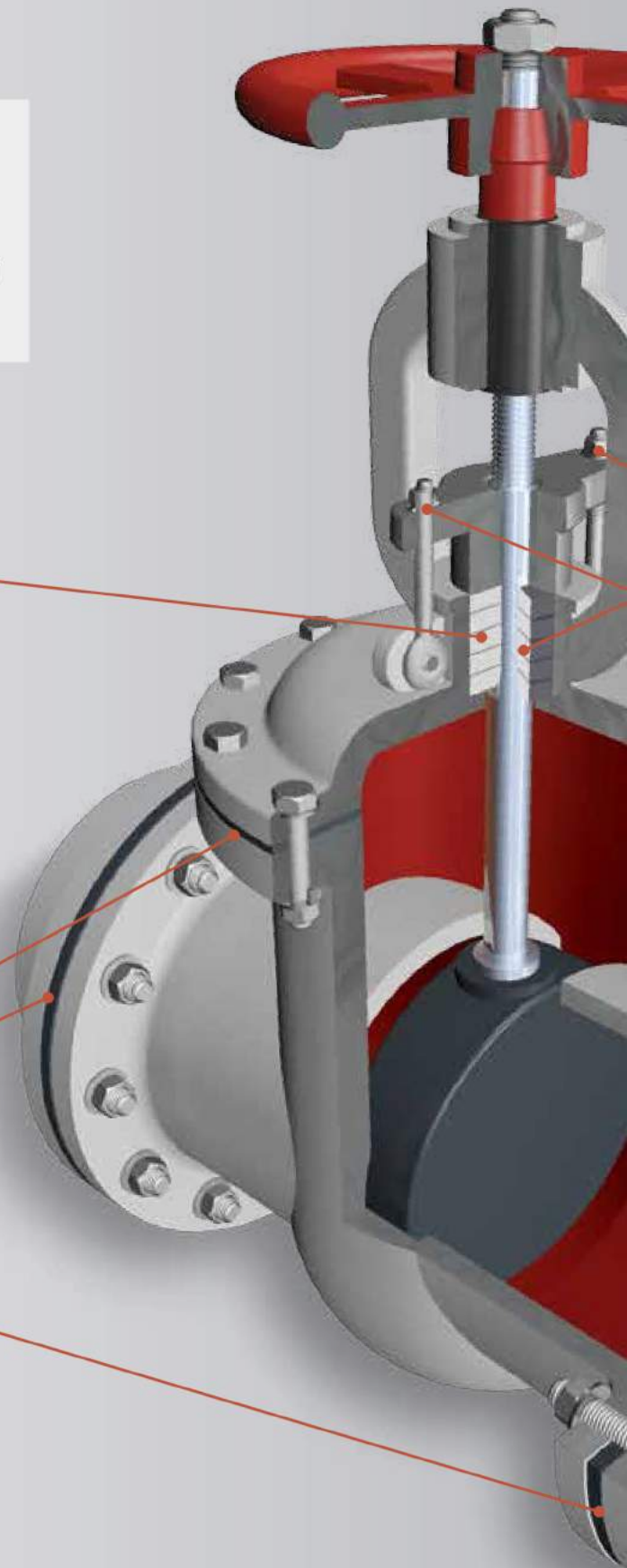
Tools

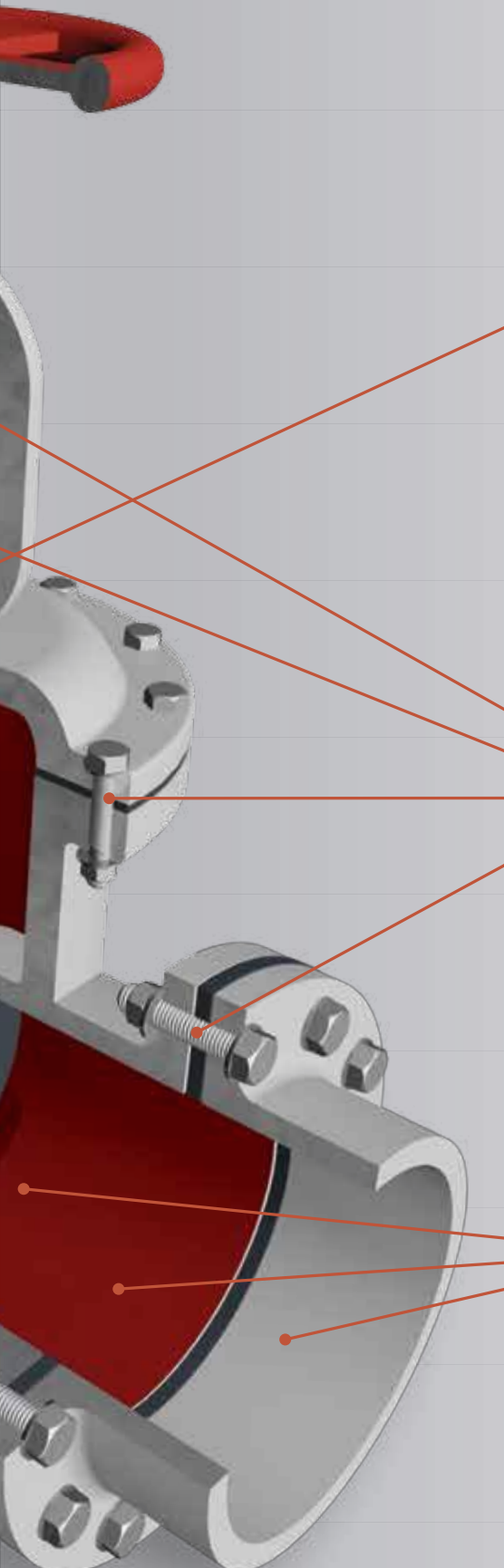
For proper installation and removal of stem packing, use **tamping tools**, **packing cutters**, and **packing extractors** to minimize errors and equipment damage during valve repacks.



Joint Sealing

Chesterton offers a variety of **joint sealing solutions** where we apply the best available technology to your critical flanged joints, resulting in the best recommendation for your specific applications. **Form-in-place**, **compression**, and **semi-metallic gaskets** address most process flanges.





Valve Stem Sealing

Improve equipment reliability, meet EPA VOC emissions requirements, and lower the total cost of valve ownership with **Chesterton valve stem sealing solutions**. Low emissions, steam, and chemically resistant packings are designed to provide years of operation to reduce valve maintenance.

After market OEM valve packing kits are available for popular valve manufacturers, making for easy upgrade and repair.



Thread Lubrication

Ensure proper bolt torque and prevent bolt/nut seizing for easy adjustment and disassembly on flanges, bonnets, and packing followers with **Chesterton Anti-Seize compounds**. Specifically engineered to achieve consistent and correct bolt tensioning.



ARC Protective Coatings

Rebuild, restore, and coat pipe linings, flanges, valve bodies, and discs with **ARC Efficiency and Protective Coatings** to resist corrosion and/or abrasion from process media and from the effects of cavitation on valve internals.

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PACKING AND GASKETS ORDERING INFORMATION

553 Environmental Gasket (Dim; T)****

1 500 x 1 500 mm; 0.5 mm.....	290234
1 500 x 1 500 mm; 1 mm.....	290235
1 500 x 1 500 mm; 1.5 mm.....	290236
1 500 x 1 500 mm; 2 mm.....	290237
1 500 x 1 500 mm; 3 mm.....	290238

455EU General Service Gasket Sheet (Dim; T)****

1 500 x 1 500 mm; 0.5 mm.....	290200
1 500 x 1 500 mm; 1 mm.....	290201
1 500 x 1 500 mm; 1.5 mm.....	290202
1 500 x 1 500 mm; 2 mm.....	290203
1 500 x 1 500 mm; 3 mm.....	290204

459 Graphite Sheet with Nickel Reinforcement

1 000 x 1 000 mm; 0.8 mm.....	005038
1 000 x 1 000 mm; 1 mm.....	005043
1 000 x 1 000 mm; 1.6 mm.....	005039
1 000 x 1 000 mm; 2 mm.....	005044
1 000 x 1 000 mm; 3.2 mm.....	005040

1400R Carbon-Reinforced Graphite Packing (CS; W; L)**

3,2 mm; 0,91 kg*; 57,91 m.....	000924
4,8 mm; 0,91 kg*; 18,29 m.....	000926
6 mm; 0,91 kg*; 15,85 m.....	000927
6,4 mm; 0,91 kg*; 14,02 m.....	000937
6,4 mm; 2,27 kg*; 35,05 m.....	000941
8 mm; 0,91 kg*; 11,28 m.....	001054
8 mm; 2,27 kg*; 28,04 m.....	001055
9,5 mm; 0,91 kg*; 8,23 m.....	000943
9,5 mm; 2,27 kg*; 20,42 m.....	000944
9,5 mm; 3,18 kg*; 28,65 m.....	000946
10 mm; 0,91 kg*; 7,92 m.....	000947
10 mm; 2,27 kg*; 20,12 m.....	000949
11,1 mm; 0,91 kg*; 6,4 m.....	000950
11,1 mm; 2,27 kg*; 15,85 m.....	000952
12 mm; 0,91 kg*; 5,79 m.....	000953
12 mm; 2,27 kg*; 14,63 m.....	000955
12,7 mm; 0,91 kg*; 5,18 m.....	000956
12,7 mm; 2,27 kg*; 12,8 m.....	000958
12,7 mm; 3,18 kg*; 17,68 m.....	000959
14,3 mm; 2,27 kg*; 10,06 m.....	001056
14,3 mm; 3,18 kg*; 14,02 m.....	001057
15,9 mm; 3,18 kg*; 10,67 m.....	001058
17,5 mm; 3,18 kg*; 10,06 m.....	001059
19,1 mm; 3,18 kg*; 8,23 m.....	001071
20,6 mm; 3,18 kg*; 6,71 m.....	001092
22,2 mm; 3,18 kg*; 6,1 m.....	001093
23,8 mm; 3,18 kg*; 4,27 m.....	001095
25,4 mm; 3,18 kg*; 3,96 m.....	001096

1600 Advanced Valve Stem Packing (CS; W; L)**

3,2 mm; 0,91 kg*; 40,23 m.....	035002
4 mm; 0,91 kg*; 27,74 m.....	035004
4,8 mm; 0,91 kg*; 19,81 m.....	035006
6 mm; 0,91 kg*; 15,85 m.....	035008
6,4 mm; 0,91 kg*; 12,19 m.....	035010
6,4 mm; 2,27 kg*; 30,48 m.....	035011
8 mm; 0,91 kg*; 8,53 m.....	035013
8 mm; 2,27 kg*; 21,64 m.....	035014
9,5 mm; 0,91 kg*; 5,79 m.....	035016
9,5 mm; 2,27 kg*; 14,94 m.....	035017
9,5 mm; 4,54 kg*; 29,57 m.....	035018
10 mm; 0,91 kg*; 5,49 m.....	035020
10 mm; 2,27 kg*; 13,72 m.....	035021
11,1 mm; 0,91 kg*; 4,27 m.....	035023
11,1 mm; 2,27 kg*; 10,36 m.....	035024
12 mm; 2,27 kg*; 9,14 m.....	035026
12,7 mm; 0,91 kg*; 3,35 m.....	035028
12,7 mm; 2,27 kg*; 8,53 m.....	035029
12,7 mm; 4,54 kg*; 17,07 m.....	035030
14,3 mm; 2,27 kg*; 7,01 m.....	035032
14,3 mm; 4,54 kg*; 13,72 m.....	035033
15,9 mm; 4,54 kg*; 10,97 m.....	035035
17,5 mm; 4,54 kg*; 9,45 m.....	035037
19,1 mm; 4,54 kg*; 7,92 m.....	035039
22,2 mm; 4,54 kg*; 5,79 m.....	035041
25,4 mm; 4,54 kg*; 4,57 m.....	035043

1622 Low Emissions Valve Packing (CS; Valves/boxes; W; Ø)****

3,2 mm; 83 Valves/boxes;	
0,45 kg; 12,7 Ø stem mm.....	054700

4 mm; 121 Valves/boxes;	
0,91 kg; 15 Ø stem mm.....	054704
4,8 mm; 59 Valves/boxes;	
0,91 kg; 15,9 Ø stem mm.....	054701
6 mm; 31 Valves/boxes;	
0,91 kg; 25 Ø stem mm.....	054702
6,4 mm; 73 Valves/boxes;	
2,27 kg; 22,2 Ø stem mm.....	054703
8 mm; 39 Valves/boxes;	
2,27 kg; 31,8 Ø stem mm.....	054705
9,5 mm; 22 Valves/boxes;	
2,27 kg; 41,3 Ø stem mm.....	054707
10 mm; 24 Valves/boxes;	
2,27 kg; 40 Ø stem mm.....	054711
11,1 mm; 14 Valves/boxes;	
2,27 kg; 50,8 Ø stem mm.....	054713
12 mm; 9 Valves/boxes;	
2,27 kg; 70 Ø stem mm.....	054715
12,7 mm; 8 Valves/boxes;	
2,27 kg; 69,9 Ø stem mm.....	054716
14,3 mm; 6 Valves/boxes;	
2,27 kg; 82,6 Ø stem mm.....	054719
15,9 mm; 4 Valves/boxes;	
2,27 kg; 101,6 Ø stem mm.....	054721
17,5 mm; 3 Valves/boxes;	
2,27 kg; 127 Ø stem mm.....	054722

1724 PTFE Valve Packing (CS; W; L)**

3,2 mm; 0,91 kg*; 46,94 m.....	003260
4 mm; 0,91 kg*; n/a.....	003261
4,8 mm; 0,91 kg*; 22,56 m.....	003262
6 mm; 0,91 kg*; 15,24 m.....	003263
6,4 mm; 0,91 kg*; 11,58 m.....	003264
6,4 mm; 0,91 kg*; 28,96 m.....	003273
8 mm; 0,91 kg*; 8,23 m.....	003265
8 mm; 2,27 kg*; 20,73 m.....	003274
9,5 mm; 0,91 kg*; 5,79 m.....	003266
9,5 mm; 2,27 kg*; 14,63 m.....	003275
9,5 mm; 4,54 kg*; 29,26 m.....	003281
10 mm; 0,91 kg*; 5,18 m.....	003267
10 mm; 2,27 kg*; 13,41 m.....	003276
11,1 mm; 0,91 kg*; 4,57 m.....	003268
11,1 mm; 2,27 kg*; 11,28 m.....	003277
12 mm; 0,91 kg*; 3,96 m.....	003269
12 mm; 2,27 kg*; 9,75 m.....	003278
12,7 mm; 0,91 kg*; 3,35 m.....	003270
12,7 mm; 2,27 kg*; 8,23 m.....	003279
12,7 mm; 4,54 kg*; 16,46 m.....	003283
14,3 mm; 2,27 kg*; 6,71 m.....	003280
14,3 mm; 4,54 kg*; 13,41 m.....	003284
15,9 mm; 4,54 kg*; 10,36 m.....	003285
17,5 mm; 4,54 kg*; 9,14 m.....	003286
19,1 mm; 4,54 kg*; 7,62 m.....	003287
20,6 mm; 4,54 kg*; 6,71 m.....	003288
22,2 mm; 4,54 kg*; 6,1 m.....	003289
23,8 mm; 4,54 kg*; 5,79 m.....	003293
25,4 mm; 4,54 kg*; 5,18 m.....	003294

1730 General Service Packing (CS; W; L)**

6 mm; 0,91 kg*; 18,29 m.....	000637
6,4 mm; 0,91 kg*; 15,24 m.....	000638
6,4 mm; 2,27 kg*; 38,1 m.....	000691
8 mm; 0,91 kg*; 9,75 m.....	000692
8 mm; 2,27 kg*; 24,38 m.....	000693
9,5 mm; 2,27 kg*; 17,07 m.....	000694
9,5 mm; 4,54 kg*; 34,14 m.....	000695
10 mm; 0,91 kg*; 6,1 m.....	000696
10 mm; 2,27 kg*; 15,54 m.....	000697
11,1 mm; 2,27 kg*; 12,5 m.....	000698
12 mm; 0,91 kg*; 4,27 m.....	000702
12 mm; 2,27 kg*; 10,67 m.....	000703
12,7 mm; 2,27 kg*; 9,75 m.....	000704
12,7 mm; 4,54 kg*; 19,51 m.....	000705
14,3 mm; 2,27 kg*; 7,01 m.....	000706
14,3 mm; 4,54 kg*; 13,72 m.....	000932
15,9 mm; 4,54 kg*; 11,28 m.....	000933
17,5 mm; 4,54 kg*; 10,36 m.....	000934
19,1 mm; 4,54 kg*; 8,53 m.....	000935
20,6 mm; 4,54 kg*; 6,4 m.....	001182
22,2 mm; 4,54 kg*; 5,49 m.....	001183
25,4 mm; 4,54 kg*; 4,27 m.....	001184

1760 Chemical Packing (CS; W; L)**

3,2 mm; 0,91 kg*; 35,66 m.....	008360
4,8 mm; 0,91 kg*; 21,34 m.....	008362

6 mm; 0,91 kg*; 14,94 m.....	008363
6,4 mm; 0,91 kg*; 12,8 m.....	008364
6,4 mm; 2,27 kg*; 32 m.....	008373
8 mm; 0,91 kg*; 9,45 m.....	008365
8 mm; 2,27 kg*; 23,47 m.....	008374
9,5 mm; 0,91 kg*; 6,4 m.....	008366
9,5 mm; 2,27 kg*; 16,15 m.....	008375
9,5 mm; 4,54 kg*; 32 m.....	008381
10 mm; 0,91 kg*; 5,49 m.....	008367
10 mm; 2,27 kg*; 13,72 m.....	008376
10,0 mm; 0,91 kg*; 4,27 m.....	008368
11,1 mm; 2,27 kg*; 10,67 m.....	008377
12 mm; 0,91 kg*; 3,96 m.....	008369
12 mm; 2,27 kg*; 9,75 m.....	008378
12,7 mm; 0,91 kg*; 3,66 m.....	008370
12,7 mm; 2,27 kg*; 9,45 m.....	008379
12,7 mm; 4,54 kg*; 18,59 m.....	008383
14,3 mm; 2,27 kg*; 6,1 m.....	008380
15,9 mm; 4,54 kg*; 9,14 m.....	008385
17,5 mm; 4,54 kg*; 8,53 m.....	008386
19,1 mm; 4,54 kg*; 8,23 m.....	008387
20,6 mm; 4,54 kg*; 7,01 m.....	008388
22,2 mm; 4,54 kg*; 5,18 m.....	008389
25,4 mm; 4,54 kg*; 3,05 m.....	008394

1765 White Chemical Packing for Rotating Equipment (CS;W;L)**

6,4 mm; 0,91 kg*; 15,43 m.....	051172
6,4 mm; 2,27 kg*; 38,57 m.....	051173
7,9 mm; 0,91 kg*; 10,06 m.....	051174
7,9 mm; 2,27 kg*; 25,15 m.....	051175
9,5 mm; 0,91 kg*; 7,07 m.....	051176
9,5 mm; 2,27 kg*; 17,68 m.....	051177
10,0 mm; 0,91 kg*; 5,73 m.....	051178
10,0 mm; 2,27 kg*; 14,33 m.....	051179
11,1 mm; 2,27 kg*; 11,4 m.....	051180
12,0 mm; 4,54 kg*; 10,93 m.....	051181
12,7 mm; 0,91 kg*; 3,9 m.....	051182
12,7 mm; 2,27 kg*; 9,76 m.....	051183
12,7 mm; 4,54 kg*; 19,51 m.....	051184
14,3 mm; 2,27 kg*; 8,08 m.....	051185
15,9 mm; 4,54 kg*; 9,76 m.....	051186
19,1 mm; 4,54 kg*; 7,77 m.....	051187
20,6 mm; 4,54 kg*; 7,47 m.....	051188
22,2 mm; 4,54 kg*; 6,4 m.....	051189
25,4 mm; 4,54 kg*; 3,81 m.....	051190

1830 Advanced Expanded Graphite PTFE Packing (CS; W; L)**

4,8 mm; 0,91 kg*; 26,52 m.....	175910
6,4 mm; 0,91 kg*; 12,19 m.....	175911
6,4 mm; 2,27 kg*; 30,78 m.....	175912
8 mm; 0,91 kg*; 9,14 m.....	175913
8 mm; 2,27 kg*; 22,86 m.....	175914
9,5 mm; 0,91 kg*; 5,79 m.....	175915
9,5 mm; 2,27 kg*; 14,33 m.....	175916
9,5 mm; 4,54 kg*; 28,35 m.....	175917
10 mm; 0,91 kg*; 5,24 m.....	175918
10 mm; 2,27 kg*; 13,11 m.....	175919
11,1 mm; 0,91 kg*; 4,57 m.....	175920
11,1 mm; 2,27 kg*; 11,58 m.....	175921
12 mm; 0,91 kg*; 3,84 m.....	175922
12 mm; 2,27 kg*; 9,60 m.....	175923
12,7 mm; 0,91 kg*; 3,35 m.....	175924
12,7 mm; 2,27 kg*; 8,23 m.....	175925
12,7 mm; 4,54 kg*; 16,46 m.....	175926
14,3 mm; 2,27 kg*; 6,86 m.....	175927
14,3 mm; 4,54 kg*; 13,72 m.....	175928
15,9 mm; 4,54 kg*; 11,58 m.....	175929
17,5 mm; 4,54 kg*; 9,45 m.....	175930
19,1 mm; 4,54 kg*; 7,92 m.....	175931
20 mm; 4,54 kg*; 7,29 m.....	175932
22,2 mm; 4,54 kg*; 5,79 m.....	175933
23,8 mm; 4,54 kg*; 5,18 m.....	175934
25,4 mm; 4,54 kg*; 4,27 m.....	175935

1830-SSP Slurry Packing (CS; W; L)*

9,5 mm; 0,91 kg*; 7,01 m.....	052605
9,5 mm; 2,27 kg*; 17,37 m.....	052606
9,5 mm; 4,54 kg*; 34,75 m.....	052607
10,0 mm; 0,91 kg*; 5,18 m.....	052608
10,0 mm; 2,27 kg*; 13,41 m.....	052609
11,1 mm; 0,91 kg*; 4,57 m.....	052610
11,1 mm; 2,27 kg*; 11,58 m.....	052611
12,0 mm; 0,91 kg*; 4,27 m.....	052612
12,0 mm; 2,27 kg*; 10,67 m.....	052613

12,7 mm; 0,91 kg*; 3,96 m.....	052614
12,7 mm; 2,27 kg*; 10,06 m.....	052615
12,7 mm; 4,54 kg*; 19,81 m.....	052616
14,3 mm; 2,27 kg*; 7,62 m.....	052617
14,3 mm; 4,54 kg*; 15,54 m.....	052618
15,9 mm; 4,54 kg*; 11,28 m.....	052619
17,5 mm; 4,54 kg*; 9,75 m.....	052620
19,1 mm; 4,54 kg*; 8,23 m.....	052621
20,0 mm; 4,54 kg*; 7,62 m.....	052622
20,6 mm; 4,54 kg*; 7,01 m.....	052623
22,2 mm; 4,54 kg*; 7,01 m.....	052624
23,8 mm; 4,54 kg*; 6,10 m.....	052625
25,4 mm; 4,54 kg*; 5,18 m.....	052626

1935 Food Grade Packing (CS; W; L)*

4,7 mm; 0,91 kg*; 34,14 m.....	362449
6,4 mm; 0,91 kg*; 14,48 m.....	362450
6,4 mm; 2,27 kg*; 36,2 m.....	362453
8,0 mm; 0,91 kg*; 8,46 m.....	362454
8,0 mm; 2,27 kg*; 21,14 m.....	362463
9,5 mm; 0,91 kg*; 5,61 m.....	362464
9,5 mm; 2,27 kg*; 14,02 m.....	362465
10,0 mm; 0,91 kg*; 4,94 m.....	362466
10,0 mm; 2,27 kg*; 12,34 m.....	362468
12,7 mm; 0,91 kg*; 3,23 m.....	362470
12,7 mm; 2,27 kg*; 17,22 m.....	362479
12,7 mm; 4,54 kg*; 16,15 m.....	362480
14,3 mm; 2,27 kg*; 6,25 m.....	362481
16,0 mm; 4,54 kg*; 10,97 m.....	362482
19,0 mm; 4,54 kg*; 7,62 m.....	362483
22,2 mm; 4,54 kg*; 5,49 m.....	362484

2211 Severe Slurry Packing (CS; W; L)*

9,5 mm; 0,91 kg*; 6,7 m.....	382074
9,5 mm; 2,27 kg*; 16,8 m.....	382075
9,5 mm; 4,54 kg*; 33,5 m.....	382076
10 mm; 0,91 kg*; 5,9 m.....	382077
10 mm; 2,27 kg*; 14,8 m.....	382078
11,1 mm; 0,91 kg*; 4,8 m.....	382079
11,1 mm; 2,27 kg*; 12 m.....	382080
12,7 mm; 0,91 kg*; 3,4 m.....	382083
12 mm; 0,91 kg*; 3,7 m.....	382081
12 mm; 2,27 kg*; 9,3 m.....	382082
12,7 mm; 2,27 kg*; 8,5 m.....	382084
12,7 mm; 4,54 kg*; 17,1 m.....	382085
14 mm; 4,54 kg*; 12,8 m.....	382092
14,3 mm; 2,27 kg*; 6,4 m.....	382086
14,3 mm; 4,54 kg*; 13,7 m.....	382087
16 mm; 4,54 kg*; 12,5 m.....	382088
17,4 mm; 4,54 kg*; 9,4 m.....	382089
19 mm; 4,54 kg*; 9,1 m.....	382090

Flange Gaskets

Application	Certification/Approvals	Product
Drinking Water	DVGW - KTW	553
Drinking Water	DVGW	557
Drinking Water	DVGW - KTW	455EU
Drinking Water	DVGW	Duragraf F
Drinking Water	DVGW - KTW	Duragraf T
Food Contact	EC1935 - 2004 - FDA 21 CFR	184
Food Contact	EC1935 - 2004 - FDA 21 CFR	185
Food Contact	FDA 21 CFR	ECS-B
Food Contact	EC1935 - 2004 - FDA 21 CFR	ECS-T
Food Contact	FDA 21 CFR	ECS-W
Fugitive Emission Control	API-607 (Fire Safe) - TA Luft/VDI 2440	553
Fugitive Emission Control	Shell Spec MESC SPE 85/203	Duragraf T
Fugitive Emission Control	TA Luft/VDI 2440	ECS-T
Fugitive Emission Control	TA Luft/VDI 2440	KG1
Fugitive Emission Control	TA Luft/VDI 2440	SGI
Fugitive Emission Control	TA Luft/VDI 2440	Steel Trap™
Marine	ABS Approval Shipping	ECS-T
Nuclear	Nuclear 10CFR pt21	199
Oxygen Compatible	BAM Oxygen	557
Oxygen Compatible	BAM Oxygen	Duragraf F
Oxygen Compatible	BAM Oxygen	Duragraf T
Oxygen Compatible	BAM Oxygen	ECS-W

Fluid Power

Application	Certification/Approvals	Product
Food Contact	EC1935 - 2004 - FDA 21 CFR	AWC510
Food Contact	FDA 21 CFR	AWC515 10% PEEK filled PTFE
Food Contact	FDA 21 CFR	AWC520
Food Contact	FDA 21 CFR	AWC600 FDA POLYESTER TPE
Food Contact	FDA 21 CFR	AWC610
Food Contact	EC1935 - 2004 - FDA 21 CFR	AWC615
Food Contact	FDA 21 CFR	AWC631 USP CL VI PEEK
Food Contact	FDA 21 CFR	AWC650
Food Contact	FDA 21 CFR	AWC664 OIL FILLED OFF WHITE NYLON
Food Contact	FDA 21 CFR	AWC703
Food Contact	FDA 21 CFR	AWC716 WHITE FKM
Food Contact	FDA 21 CFR	AWC741
Food Contact	FDA 21 CFR	AWC753
Food Contact	EC1935 - 2004 - FDA 21 CFR	AWC754
Food Contact	FDA 21 CFR	AWC762 WHITE SILICON
Food Contact	FDA 21 CFR	AWC772 FOOD GRADE KALREZ®
Food Contact	FDA 21 CFR	AWC830
Food Contact	FDA 21 CFR	AWC835 FDA HI-TEMP URETHANE

Note: The above certifications and compliance are available on request.

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