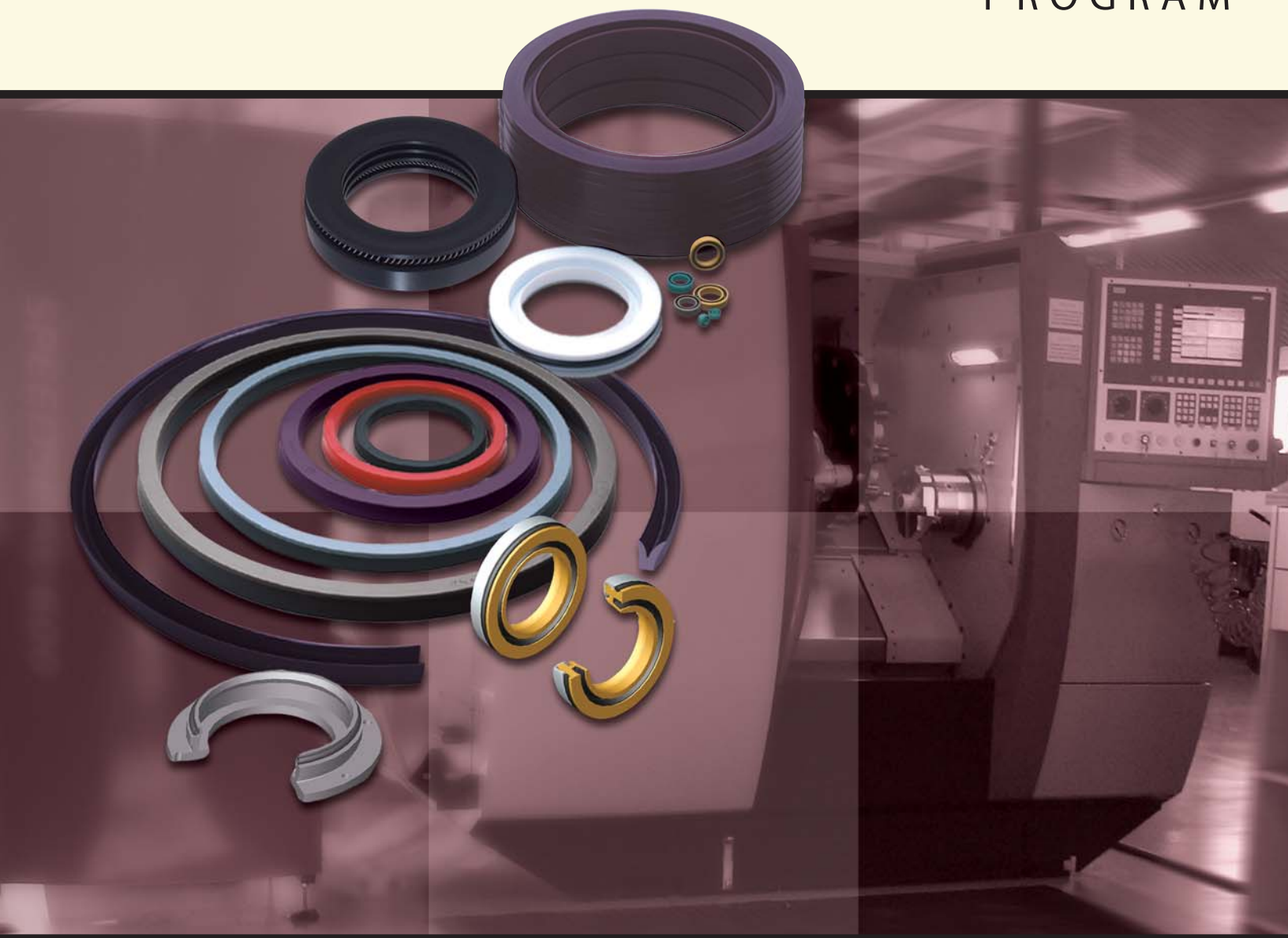


ENGINEERED POLYMER SOLUTIONS

SPEED SEAL® PROGRAM



CAPABILITIES

VIRTUALLY ANY DESIGN,
ANY MATERIAL AND ANY SIZE

For decades, Chesterton has been the manufacturer of choice for sealing solutions where reliability makes the difference. We use state-of-the-art polymer technologies that have been field tested and proven around the world in the most demanding applications. Our technical expertise, combined with our comprehensive range of sizes, designs and materials enable us to provide custom engineered solutions to meet your specific needs.



Our materials portfolio includes:

FLUROPLASTICS

- Filled PTFE
AWC...510, 530
- Modified Filled PTFE
AWC...220, 440, 550

ENGINEERED PLASTICS

- AWC...600, 635, 610, 615, 620, 625, 660

ELASTOMERS

- Thermoset polyurethanes
AWC830
- Thermoplastics
AWC...810, 811, 812, 815
- NBR
AWC742
- HNBR
AWC743
- EPDM
AWC750

FLUROPLASTICS		
MATERIALS	TEMPERATURE °C (°F)	GENERAL USAGE
AWC100 Polyimide Filled PTFE	-100 to 260 (-150 to 500)	Dry running or low viscosity petroleum based applications. Highest PV value and can be used in elevated temperatures with excellent fluid compatibility, except with aqueous solutions. Mating surfaces: $R_c \geq 45$.
AWC300 Glass Filled PTFE	-100 to 230 (-150 to 450)	High wear, high pressure and high-speed applications. High PV values with excellent fluid compatibility. Excellent in high viscosity fluids.
AWC400 Carbon/Graphite Filled PTFE	-100 to 230 (-150 to 450)	Water and steam applications. High PV values. Excellent all-purpose material for rotary applications. Good electrical conductivity.
AWC520 Virgin PTFE	Cryogenic to 230 (450)	Static or slow speed applications with low wear resistance. Works well in vacuum and low gas permeability applications. Superior fluid compatibility and is a FDA listed material.
ENGINEERED PLASTICS		
AWC630 Unfilled PEEK	-45 to 175 (-50 to 350)	Better wear characteristics. Tough, reliable and dimensionally stable, even under continuous elevated temperatures.
AWC650 Acetal	-30 to 90 (-20 to 200)	Anti-extrusion rings or medium load-bearing applications. Excellent creep resistance under continuous load, fatigue and endurance under repeated cycles. FDA list material.
ELASTOMERS		
AWC700 Fluoroelastomer 88A	-30 to 200 (-20 to 400)	Best heat resistance and compatibility with aggressive fluids, such as phosphate esters, moderate wear and tear resistance.
AWC800 Thermoset Polyurethane 95A (Red Polymer)	-50 to 85 (-60 to 185)	Excellent wear and tear resistance with low compression set. Compatible with most hydraulic fluids except synthetics. Excellent extrusion resistance at high pressure. Superior performance in hydraulic and pneumatic and slow rotary applications.
AWC805 Thermoset Polyurethane 85A (Blue Polymer)	-50 to 85 (-60 to 185)	Good wear and tear resistance and low compression set. Compatible with most hydraulic fluids, except synthetics. Performs well in slightly scored or worn equipment.
AWC830 Thermoset Polyurethane 95A	-35 to 75 (-30 to 165)	For use in food and pharmaceutical applications where FDA listed material is required.
AWC860 Thermoset Polyurethane 95A (Cherry Polymer)	-50 to 120 (-60 to 250)	Higher temperature use. Excellent wear and tear resistance with low compression set. Compatible with most hydraulic fluids except synthetics. Superior performance in hydraulic and pneumatic and slow rotary applications. Excellent extrusion resistance at high pressure.

ENGINEERED

Chesterton's advanced technology allows us the flexibility to design and manufacture seals with virtually no size restrictions. Our broad design portfolio includes the following profiles:

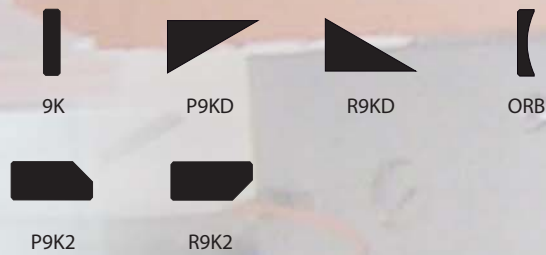
ROD SEALS



PISTON SEALS



ANTI-EXTRUSION RINGS



BEARING ELEMENTS



POLYMER SOLUTIONS

WIPERS



CW21K



CW21K1



CW21K2



CW21K3



W5K, W21KF



W5KT5, 21KT5



W21K



W21KC



W21KC1



W21KCS



W21KH



W21KM



W21KR



W21KS



WCCS

O-RINGS



R20KDR



P20KDR



20KDRFS



OR



OR1

ROTARY/CUSTOM SEALS



RS1



RS2



RS3



RS4



EPS100



EPS200



EPS115



EPS207



EPS107



EPS123



EPS307



EPS308



EPS119



EPS010



EPS011



EPS012



30K



30KW



30KSW



33K

To complete an application questionnaire, go to
www.engineeredsolution.com



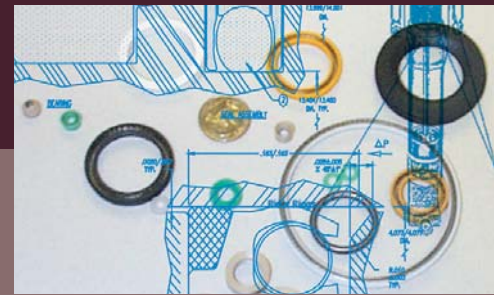
SPEEDSEAL[®] PROGRAM

Chesterton, known around the world as a leader in the polymer seal industry, has increased service to our customers worldwide with the SpeedSeal Program. These fully integrated production facilities use innovative manufacturing methods to provide you with a broad selection of proven designs and a wide range of high performance materials. The SpeedSeal Program is supported by a network of highly trained and experienced Field Specialists who offer the best service and applications assistance available in the industry.

SERVICE

MATERIALS

DESIGNS



THE BEST IS NOW THE FASTEST

- Local Service ■ Made to Order
- Skilled Field Specialists ■ Same Day Delivery
- Proven Designs ■ Technical Expertise
- High Performance Materials ■ Trusted Quality Products



GLOBAL SOLUTIONS, LOCAL SERVICE

Since 1884, Chesterton has been providing value driven solutions to meet industry's needs. Chesterton solutions have been implemented around the world with documented success and recognition. Increasing equipment reliability, optimizing energy consumption, and providing local technical support and service are what Chesterton offers industry worldwide.

- Servicing Plants in Over 100 Countries
- Global Manufacturing and Service Centers
- 500 Global Sales and Distributor Locations
- Over 1200 Trained Local Service Specialists and Technicians

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