

THE SEAL GROUP NEWS



May, 2009

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Gatlin Business Chat

Let me start out by thanking those in attendance that helped make our 9th Annual Product Seminar a success.

Special thanks to our presenters from Parker, DuPont, Fenner, and Trelleborg.

We had 35 different companies and more than 100 people attend this year!

I hope to see all that attended and more at our 10th annual event already in the planning stages.

Parker Seal Group News

Parker understands there are special circumstances that require fast turn around with little lead time. For this reason, Parker O-Ring Division has designed a special program called the Speed Run Program. This process provides a dedicated cell to manufacture O-rings when you need them. Material, size, and quantity specifications are outlined below. For more information on this program, please contact the Gatlin Seal Group Sales Representative at 601-209-6358.

Compound Type	Compound Number
HNBR	N1173-70
HNBR	KB162-80
NBR	N0103-70
NBR	N0602-70
NBR	N0674-70
NBR	N0304-75
NBR	N0951-75
NBR	N0552-90
FKM	V0747-75
FKM	V0884-75
FKM	V1164-75
FKM	V0709-90
FKM	V1238-95
FKM (GLT)	VM835-75

Maximum order quantity by compound family		
Size range	NBR/HNBR	FKM
2-001 to 2-028	200	100
2-029 to 2-050	35	15
2-102 to 2-128	150	75
2-129 to 2-153	75	50
2-154 to 2-178	15	5
2-201 to 2-228	100	25
2-229 to 2-253	30	8
2-254 to 2-284	5	3
2-309 to 2-328	70	10
2-329 to 2-353	40	5
2-354 to 2-395	5	2
2-425 to 2-449	10	4
2-450 to 2-475	5	2



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anything  Possible.™

Parker Oring Success Story

Application:

Offshore oil platform valves

Problem:

A large OEM customer in the Energy, Oil, and Gas industry contacted Parker with an urgent request for O-rings. The O-rings were to go into valves for a new offshore oil platform. The application required a material that could function in a high pressure environment where explosive decompression could be realized. The scheduled completion date of the rig was coming up soon so prompt attention was required. The customer's current supplier was quoting an 8 week lead time. This lead time would cause the platform launch to be delayed and potentially cost the customer millions of dollars. The customer contacted Parker for help in providing a material that would meet the application requirements and be supplied in the required short lead time.

Parker Solution:

Parker offers a broad spectrum of materials developed specifically for the Energy, Oil, and Gas industry. Among these materials is Parker's HNBR compound N4007-95. N4007-95 meets the NORSOK M-710 standard for explosive decompression and demonstrates excellent extrusion resistance. This material was recommended to the customer to meet their application needs. To meet the tight lead time requirements of the customer, Parker also recommended the Speed Run Program. The Parker Speed Run Program supplies a small quantity of O-rings to customers with expedited time lines in 2 weeks or less. This program is used for a wide variety of Parker materials and sizes (see tables above for further details).

Outcome:

After reviewing the NORSOK M-710 approval and extrusion resistance test data on compound N4007-95, the customer felt confident the HNBR would meet and/or exceed their application requirements. Without this test data, the customer would have required extensive testing on the compound prior to use. This would have delayed progress and made it impossible to meet their deadline. Additionally, the Speed Run Program was used to run the order and provide O-rings to the customer in 2 weeks. This allowed the customer to assemble the valves and meet the required launch schedule of the offshore oil platform. Afterward the customer commented, "Through this experience, I've gotten a much greater appreciation for what Parker can bring to the table. In addition to providing a quality product, we also greatly value your customer focus and commitment to delivery".



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Upcoming Events

None at this time

For the Chemical Resistance Guide (CRG), go to www.dupontelastomers.com/crg and click on the Chemical Resistance Guide. It rates the performance of 20 elastomers, including Kalrez®, in over 1,000 chemicals at room temperature.

Kalrez® News

Kalrez® for proven long-term service down-hole

The ultimate level of elastomeric sealing is exhibited by Kalrez® Spectrum™ 6375 and Kalrez® Spectrum™ 7075 perfluoroelastomer parts, which provide extended seal life, sealing force retention and thermal resistance up to 327°C, in the most aggressive chemical, hydrocarbon and petroleum process environments. Kalrez® parts offer exceptional resistance to sour oil and gas, acid and steam, and to inhibitor and process chemicals. They are available as tubing-to-packer seals, custom logging boots, standard O-rings, valve seats, diaphragms, gaskets, T-seals, column fittings, and also in virtually any custom shape.

Zalak® explosive decompression resistant seals

Spanning the performance range between standard fluoroelastomers and perfluoroelastomers, Zalak® 190ZR high performance seals resist heat aging and swell at service temperatures from -26°C to 200°C in a broad range of aggressive chemicals, including crude oil and inhibitors, sour oil and gas, aromatic solvents, acids, oxygenated additives and alkali solutions.

Zalak® 190ZR

Product Description

Zalak® 190ZR high performance seals have been formulated for optimum performance in high pressure/high temperature (HP/HT) applications.

Seals made with Zalak® are designed to meet many demanding requirements in industry, offering broad chemical resistance and good heat ageing properties. Seals made with Zalak® span the range in performance between fluoroelastomers and perfluoroelastomers such as Kalrez® perfluoroelastomer parts.

Zalak® 190ZR is a black product, with improved performance capabilities compared to fluoroelastomer compounds. Zalak® 190ZR offers sealing solutions for applications where even the best fluoroelastomer products are unsuitable in performance.

This product exhibits lower swell in aromatic solvents, acids, oxygenated additives and alkali solutions than fluoroelastomers.

Zalak® 190ZR has a minimum lower service temperature of -26°C (-15°F) and a recommended continuous upper service temperature of 200°C (392°F).

Threadlockers are available in three levels of break away torque and are distinguished by force required by disassembly and viscosity. The TL series adhesives are resistant to water, fuel, gases, oils, and other chemical products. They offer a wide temperature range and are used primarily in applications with screws, bolts, drop bolts, latch pulleys, gearboxes, busing, sleeves, bearings, valves, flanges, shafts and rotors. Call for Pricing!



Kalrez®
perfluoroelastomer parts



Zalak® high
performance seals

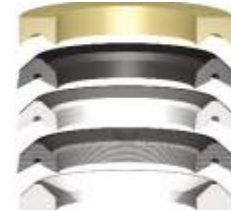
From DuPont Performance Elastomers

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Fenner Advanced Sealing Technologies

VS Style Rings

A robust version of a standard V-ring, CDI Seals' VS design is the workhorse of our "V" style lineup. VS sets are available in various combinations of homogeneous elastomers, reinforced elastomers, and an extensive range of machineable thermoplastics.



Trelleborg Sealing Solutions

Orkot® Marine Bearings

A non-asbestos synthetic composite material incorporating solid lubricants. Orkot® Marine Bearings have exceptional wear resistance, and virtually no swell in water. Their elasticity, compared to metal bearings, permits edge loading and misalignment, under the heaviest loads. They provide effective and maintenance free solutions where (salt)water is involved. Hydrodynamic running is possible when velocities are at least 1 m/s (3 ft/s).



The Seal Group at Gatlin Corporation has started working with Trelleborg to offer local stocking, machining capabilities, and general support of their product line.

Parco

Parco developed a 90-durometer nitrile. Its outstanding physical properties also make it an excellent alternative to C67.

Seals made from 4623-90 have a compression set of only 9 percent and an ultimate elongation of 123 percent. Our 90-durometer nitrile seals can be used in oil field and general purpose applications.

