

Why can't I find Parker compound XYZ in the Parker catalog?

Because we are constantly developing new materials, we only list the most standard / general purpose materials in the O-ring Handbook. An up-to-date list of Parker compounds is available on-line.

What seal material should I use in my application?

Depending on your application, this can be a very complicated question. Launch inPHorm, our seal design and material selection software, for assistance.

What replaces obsolete Parker compound XYZ?

In most cases, recommending a replacement material for an application requires a full evaluation of the application. Launch inPHorm or contact an applications engineer for assistance.

If two Buna-N 70 O-Rings look the same, why is one more expensive than the other?

Very seldom are the differences between seal compounds visible. Differences in the base polymer, cure system, and amount and type of other compound ingredients play a significant role in both the seal performance and the seal cost. The phrase "you get what you pay for" usually applies in the O-ring industry.

Does Parker compound XYZ contain asbestos?

No Parker compounds contain asbestos.

Does Parker compound XYZ contain mercury, lead, cadmium, or hexavalent chromium?

No Parker compounds intentionally contain any of these toxic elements, nor do they come in contact with these elements during the manufacturing process.

Does Parker compound XYZ contain animal products?

Many rubber compounds contain stearic acid or stearic acid esters like zinc stearate, which are often derived from rendered animal products. However, it is extremely unlikely that any biological agents would survive the rendering process used to make these ingredients. If your application requires a material with no animal products whatsoever, contact us for assistance.

Is Parker compound XYZ hazardous?

Other than a potential choking hazard, we are aware of no instances where Parker O-rings are or are potentially considered to be hazardous to human health.

What's the difference between N674, N674-7, N674-70, N0674, and N0674-70?

Nothing. These are various "versions" of the Parker compound numbering system that have been used throughout the years.

Where can I find information on Parker compound XYZ?

Specific compound information such as test reports and temperature ranges can be found in inPHorm.

Where can I get a test report for Parker compound XYZ?

These are included in inPHorm.

Is N70 a Parker compound number?

N70 is not a Parker compound number. This is probably a reference to generic 70 durometer nitrile rubber. We recommend Parker compound N0674-70 as a replacement / improvement.

Why does Parker have so many different compounds?

Parker has developed several materials to maximize performance in unique applications. Because there are literally millions of applications for O-rings, this results in a large number of compounds.

Does Parker compound XYZ contain latex?

The term "latex rubber" is commonly used (incorrectly) to refer to natural rubber latex. Parker O-Rings do not contain any natural rubber latex, which is suspected of causing allergic reactions in some people.

Does Parker compound XYZ contain polychlorinated biphenyls (PCBs)?

No Parker compounds contain PCBs.

Why does Parker compound XYZ have a dull gray or white powder on the surface?

Some seal materials exhibit a dusty gray or white coating on the outside surface of the seal material called bloom. Bloom is primarily composed of non-reacting catalysts used to speed the curing process. The presence of bloom seldom if ever affects seal performance in application. Bloom can, however, affect extraction and off gassing characteristics. If your application is extremely contaminant-sensitive, contact us for material selection advice.

Does Parker make PTFE O-Rings?

Parker's virgin PTFE compound Z1415 is used to make machined PTFE O-rings. However, keep in mind that PTFE O-rings are NOT made out of rubber and cannot be used in the manner as traditional rubber O-rings. If you compress a PTFE O-ring, it will permanently deform almost immediately. Please don't call us and complain if a PTFE O-ring leaks.

Why did Parker change the name of the Wynn's Precision compounds?

In July 2000, Parker Hannifin Seal Group acquired Wynn's Precision and began merging the companies. Because both companies had a long history, the resulting combined company had five separate product numbering systems in place. Obviously, this was way too confusing. To fix this, we developed a new compound numbering system that incorporated the best of both "main" systems. The Wynn's Precision compounds were re-named in accordance with the new system of nomenclature, as are all newly developed compounds. The existing Parker recipes were not renumbered because of the vast number of customers that would be affected.