

RUBBER DOOR SEAL



Rubber door seals are manufactured from either a durable EPDM rubber or PVC with a metal infill and a rubber or foam sealing face.

FOOD QUALITY TANK DOOR SEALS

Western polyrub door seals are commonly used to seal tank doors in the dairy, pharmaceutical and brewing industries. We manufacture a wide range of food quality rubber tank door seals in many shapes, sizes and colors in molded as well as extruded joints. We pride ourselves on being able to put new rubber products into production quickly and by understanding the customer requirements. At western polyrub we stock a wide variety of seals in many materials Natural, neoprene, epdm and silicone rubber.



AUTOCLAVE AND STERILIZER DOOR SEALS



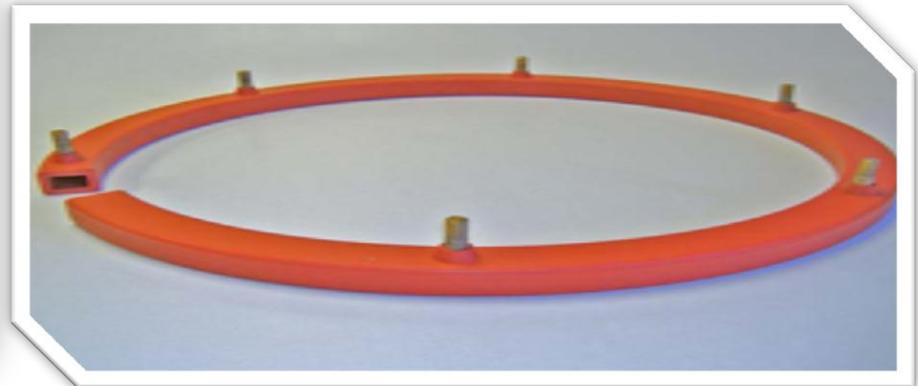
Western have been working with leaders of autoclave and sterilizer industry and with wide experience and practical knowledge we are able to offer an extensive range of OEM door seals & gaskets at very reasonable prices, Our replacement door seals for Cisa, Tuttnauer, pelton and crane,ritter,mid-mark,Getinge sterilizer & autoclave are made from the platinum or high temp withstand grade with heat stabilizer and properly mold vulcanized joined(not just extrude and joint with rtv)& then graphite coated to provide a superior service life.This material is most suited due to its ability to withstand the elevated temperatures & pressures placed upon the gaskets. Western has developed more then 100 reputed sterilizer manufacturer door gasket,which we supply as OE or replacement

INFLATABLE DOOR SEAL FOR DEWAXING AUTOCLAVE

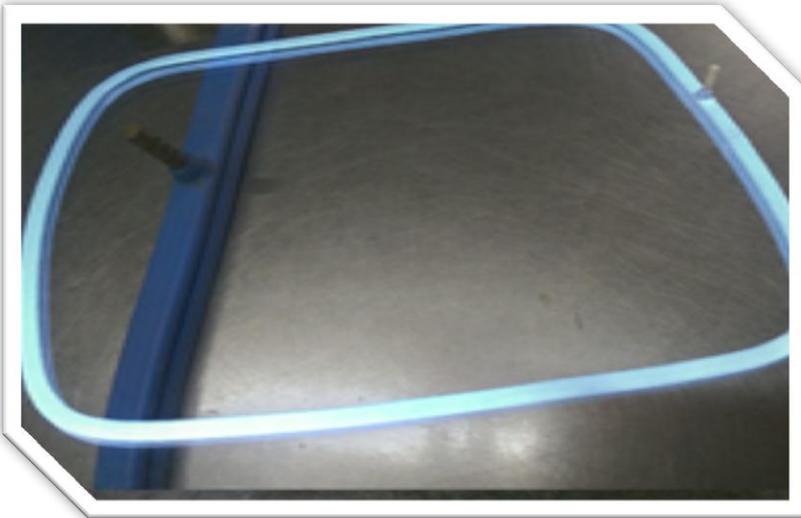
what is dewaxing autoclave in the investment casting process, casting wax is injected into a metal die in order to create a solidified wax positive of the part to be cast. This wax positive is called a "pattern". The wax pattern is then dipped in a ceramic slurry to form an external ceramic shell negative. Once the ceramic shell is created, a dewaxing autoclave is used to melt and remove the internal casting wax from ceramic shells. The ceramic shell is then fired and ultimately used as the mold cavity for the metal casting.

The dewaxing process occurs in a dewaxing autoclave which lead is tight with silicone inflatable seal and typically involves a rapid pressurization to 85 psi (5.8 bar) and in some cases a gradual increase to 140 psi (9.6 bar). After heat up, there is a 15-20 minute dwell, and then a controlled depressurization at 15-30 psi/min (1-2 bar/min) in order to reduce the possibility of cracking the shells. Once pressure has dropped to 15 psi (1 bar), the wax is forced out of the dewaxing autoclave into a collection system using autoclave pressure which is controlled by inflatable gasket

dewaxing autoclave silicone inflatable seal is made from high strength 70 hard platinum silicone rubber which is FDA and ECC approved



GLOVE BOX ISOLATOR INFLATABLE DOOR SEALS



Western polyrub inflatable seal for isolator door is made from high strength FDA approved silicone rubber which inflates radially outward. Because the shell of the unit is fabricated due to less gap and not machined, the machined acrylic or steel door will be made to a much tighter tolerance than the frame. This means there will be enough seal gap

Western Polyrub seal is made with 25 % to 50 % inflation which covers that gap with 2 kg pressure



Why inflatable seal ?

It would be impossible to seal the perimeter of this door with a compression seal or any extruded seal. Another advantage in this application is that the inflatable's ability to provide its own seal pressure assists in a high level of sealing necessary for high containment. Gaskets and other compression seals are costly and can be tricky and time consuming and needed to be molded to seal correctly and can also lose recovery and suffer compression set over time. There is best and easy way to seal an isolator door from end users perspective. with western inflatable seal. When a seal needs replacing the seal is simply removed from the door without the need for unbolting /unclamping. Down time is very expensive in Pharmaceutical production.

INFLATABLE DOOR SEAL



What is an Inflatable door Seal

Western inflatable door seal is a reinforced elastomeric tube or without reinforced (depend on pressure) custom molded in a round concave, convoluted or flat configuration . It is designed to round out with the introduction of an inflation medium to form a tight barrier between a mounting and striking surface.

How Does an Inflatable door seal Work?

When you feel air as per pressure(chk pressure data). The seal quickly expands to the striking surface, effecting a positive seal. When the inflation medium is removed, the seal retracts naturally to pre-inflated configuration. This position provides clearance for free movement of one or both surfaces.

Western Inflatable door Seal types

Inflatable seals can be installed in different shapes; radially in, radially out, axially and any combination thereof. They will conform to many different contours. They are made in strips or round with closed ends or in continuous loops. The bend radii will vary from seal to seal and sizes if a very sharp or mitered corner is necessary, the seal can be molded to the exact configuration

western experienced in designing and developing specific inflatable seal with in 24 hours for any sealing problem