

<p style="text-align: center;">Carbon</p>	<p>One of the best seal faces you can use in most of your water and chemical applications. A corrosion resistant and self-lubricating material. Versatile.</p> <p>Used with mating rings of harder materials such as silicon carbide, ceramic, or tungsten carbide.</p> <p>Susceptible to severe corrodents including hydrofluoric and nitric acids.</p>
<p style="text-align: center;">Glass Filled Teflon</p>	<p>Gives the chemical resistance of teflon (PTFE).</p> <p>Glass is added to give face hardness and to prevent cold flow issues associated with teflon (PTFE).</p>
<p style="text-align: center;">Ceramic</p>	<p>Excellent wear characteristics due to it's hardness.</p> <p>Chemically inert and can be applied to nearly any product.</p> <p>Has a very poor resistance to thermal shock.</p>
<p style="text-align: center;">Silicon Carbide</p>	<p>Resists a wide range of chemicals. A very hard seal face material, giving it excellent abrasion resistance. Silicon carbide's high thermal conductivity and low coefficient of friction are essential for the effective sealing of volatile liquids and high pressure services. Self lubricating.</p> <p>Reaction-bonded silicon carbide performs best at the highest speeds and pressures. Reaction-bonded silicon carbide can be corroded by caustics and hydrofluoric acid. Reaction-bonded silicon carbide has also proven to be more chip resistant then the self-sintered version.</p> <p>Self-sintered silicon carbide resists all chemicals, and has running characteristics almost as good as reaction-bonded silicon carbide.</p>
<p style="text-align: center;">Tungsten Carbide</p>	<p>Tungsten carbide is popular for hydrocarbon process applications and rugged applications involving vibration and mechanical shock.</p> <p>Tungsten carbide is a good mating face for silicon carbide rotaries in severe abrasive services</p> <p>Not as resistant to corrosion as silicon carbide. The metallic binders in tungsten carbide are subject to galvanic attack.</p>
<p style="text-align: center;">Stainless Steel</p>	<p>Resists stress corrosion cracking. Stainless Steel has a wide range of chemical resistance.</p>
<p style="text-align: center;">Chrome Oxide</p>	<p>Chrome oxide has excellent behavior concerning rub wear. Acid and base resistant.</p> <p>Binders are subject to galvanic attack. Plated or coated faces can heat check and crack due to the differential expansion of the coating and the base material.</p>