



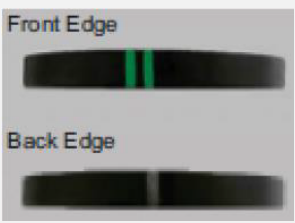



**Seat Material Specification Guide**
**Nº. 1074**

Material	Color	Image	Description
<b>UHMWPE</b>	<b>COLOR:</b> WHITE		<b>U – Ultra High Molecular Weight Polyethylene</b> UHMWPE is rated to 1500 psi at temperatures from -70°F to 200°F. It can be used in low to medium level radiation service and in applications where fluorocarbons cannot be tolerated. Abrasive resistance is very good. White (more transparent than Virgin Teflon). <b>Temperature Range:</b> -70°F to 200°F
	<b>COLOR CODE:</b> NONE		
<b>TFM1600™</b>	<b>COLOR:</b> WHITE		<b>A – TFM (PTFE-TFM)</b> This material is a derivative of PTFE and is a standard seat material for our CleanFLOW valves. TFM replaces TFE and RTFE in our Series 8 valves. <b>Temperature Range:</b> -100°F to 450°F
	<b>COLOR CODE:</b> RED		
<b>DELIRIN®</b>	<b>COLOR:</b> TRANSLUCENT		<b>D – DELIRIN® (Dupont Acetal Homopolymer)</b> This seat is very rigid and does not undergo cold flow. Delrin can withstand pressures up to 5000 psi dependent on valve size. Delrin also withstands nuclear radiation at dose of up to 106 rads. Do not use Delrin on oxygen service. <b>Temperature Range:</b> -70°F to 180°F
	<b>COLOR CODE:</b> GREEN		
<b>SupraLon™</b>	<b>COLOR:</b> BLACK		<b>S – SupraLon™ - TFM</b> A carbon infused TFM is the seat of choice for valves used in steam or thermal fluid applications. This seat has a high density polymer structure and abrasion resistance. <b>Temperature Range:</b> -328°F to 650°F
	<b>COLOR CODE:</b> WHITE		
<b>PEEK</b>	<b>COLOR:</b> BLACK		<b>K – TEMPRE K (PEEK)</b> This material offers a unique combination of chemical, mechanical, electrical and thermal properties. The only known solvent of PEEK is concentrated sulfuric acid. It will withstand temperatures up to 600°F and pressures up to 4500 psi. PEEK is excellent for steam applications.
	<b>COLOR CODE:</b> GREEN (x2) & SILVER (x1)		
<b>TEFLON®</b>	<b>COLOR:</b> WHITE		<b>T – VIRGIN TEFLON (See “A” - TFM)</b> This seating material has excellent chemical resistance and low co-efficient of friction. <b>Temperature Range:</b> -50°F to 450°F
	<b>COLOR CODE:</b> BLUE		

 Visit our website, [www.SVF.net](http://www.SVF.net) for more information on our Valves.