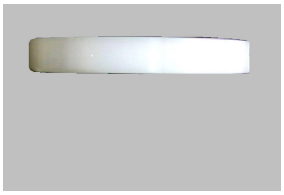
SVF Flow Controls INCORPORATED

Seat Material Specification Guide

UHMWPE

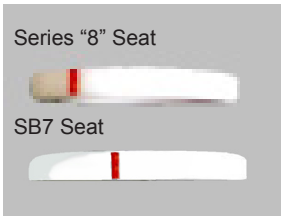
COLOR	COLOR CODE
WHITE	NONE



U - Ultra High Molecular Weight Polyethylene
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. Abrasion resistance is very good.
Color: White (more transparent than Virgin Teflon).

TFM1600™

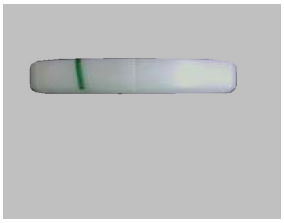
COLOR	COLOR CODE
WHITE	RED



A - TFM (PTFE-TFM)
This material is a derivative of PTFE and is the standard seat material for our Clean*FLOW* valves. TFM replaces TFE and RTFE in our Series “8” valves. Temperature Range: -40°F to 450°F.
Color: White with red stripe.

DELRIN®

COLOR	COLOR CODE
TRANSLUCENT	GREEN



D - DELRIN® (Dupont Acetal Homopolymer)
This seat is very rigid and does not undergo cold flow. Delrin can withstand pressures up to 5000 psi dependent on valve size and a temperature range of -70°F to 180°F. Delrin also withstands nuclear radiation at dose of up to 106 rads. Do not use Delrin on oxygen service.
Color: Translucent with green stripe.

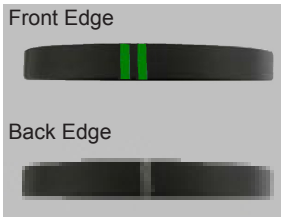
SupraLon™

COLOR	COLOR CODE
BLACK	WHITE

S - SupraLon™ - TFM
A carbon infused TFM is the seat of choice for valves used in steam or thermal fluid applications. SupraLon™ has a temperature range of up to 650°F at 30 psig.
Color: Black with white stripe.

PEEK

COLOR	COLOR CODE
BLACK	GREEN (2X) & SILVER (1X)



K - TEMPRE K (PEEK)
This material offers a unique combination of chemical, mechanical, electrical and thermal properties. The only known solvent of Tempre K is concentrated sulfuric acid. It will withstand temperatures up to 600°F and pressures up to 4500 psi. Tempre K is excellent for steam applications.
Color: Black with 2 green stripes & 1 silver stripe.

TEFLON

COLOR	COLOR CODE
WHITE	BLUE

T - VIRGIN TEFLON (See “A” - TFM)
This seating material has excellent chemical resistance and low co-efficient of friction. Temperature range is is -50°F to 450°F. Color: White with blue stripe.

Assembly Instructions for Pairing Seats by Seat Type

1. Check Work Order to verify Seat Material required
2. Using this chart, check and verify marking for Seat Material required
3. Use only Seats with same markings (Material Color Code and Revision Code) as paired per valve.
   Always use the latest revision. Report any discrepancies.
4. Always confer with your Supervisor or Engineering Department if there are any questions or to report problems.

NOTE: Upon occurence of a design change in either Material, Revision and/or Vendor, an ECO will be opened.
(ECO) QP 73-01 DESIGN CHANGE
Engineering will make modifications in chart shown above and post the updated document on our website - www.SVF.net.