



New Product Announcement

PVDF Seat

A new valve seat, made from PVDF material, is being added to the Habonim line.

PVDF (coded "W"), is a semi crystalline engineering thermoplastic with very good chemical resistance and versatility of application. It provides very good resistance to aggressive acids and numerous solvents and cleaning agents. PVDF has similar chemical resistivity found with fluoropolymers. PVDF is a perfect intermediate high pressure seat, with performance between the Delrin (Y) (relatively low operating temperature at maximum pressure (+60 deg C)) and the PEEK (K) / Virgin PEEK (L) (which withstands higher temperature but exerts very high operating torque and sensitivity to change in tolerances)

PVDF Advantages

- Excellent chemical resistance
- Good thermal stability
- Extremely high purity
- High tensile strength and impact resistance
- FDA Approved
- Suitable for Oxygen service
- Low smoke generation during fire
- Good electrical insulation
- Excellent UV resistance



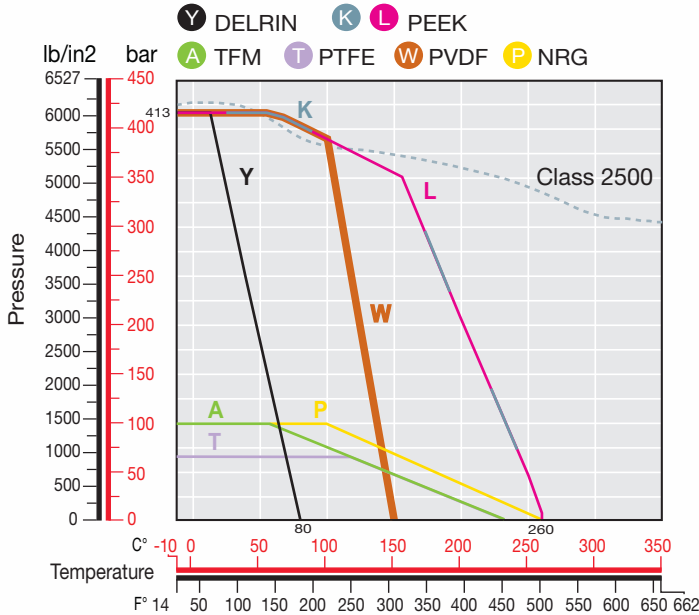
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HABONIM UPDATE

PVDF Material Valve Seat

Update 02 / 1.2009

Temp / Pressure Graph



Typical Physical properties of PVDF Valve Seats

Property	Test Method	Value
Density	ASTM D792	1.77 g/cm ³
Tensile (At break) 23°C	ASTM D638	50 MPa
Elongation (At break) 23°C	ASTM D638	30%
Coefficient of Friction		0.3
Coefficient of Thermal Expansion	ASTM D696	13 x 10 ⁻⁵ /k
Max Service Temperature		150°C
Brittleness Temperature		-10° C

Ordering Information

Use Habonim valve seat material code "W".
example: 10 H24-6666**WT**/BSP

Availability

1/2" to 6", in stock

For further information, please contact :

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