

TFM1600™ is a seating material classified as a homo-polymer under ISO 12086 that utilizes the superior performance of a modified version of PTFE resulting in chemical compatibility and heat resistant properties.

The performance of the **TFM1600™** (second generation polytetra-fluoro-ethylene) makes it an ideal choice for high purity applications, such as semi-conductor and in lower temperature applications. You will see the **TFM1600™** designator codes in our Hygienic "CleanFLOW" Ball Valves (Series SB7, TSB7, SB7F, TSB7F) as "A" and "Q" (for cavity filler valves).

Example P/N: SB706666**A**TETO0050000 or SB706666**Q**TETO0050000

Note: TFM1600 can be utilized where PTFE and RPTFE seat materials are currently used.

The advantages of TFM1600™ over PTFE and RTFE:

- Maintains the chemical and heat resistance properties with significantly lower melt viscosity (smoother ball to seat sealing surface).
- Improved stress recovery, particularly at elevated temperatures.
- Denser polymer structure
- Improved flexibility
- Lower permeability
- Smoother surface

TFM1600™ complies with:

- 3A Sanitary standard for multiple-use plastic materials used as product contact surfaces
- FDA-21 CFR 177.1550 direct contact with meat and poultry food products prepared under FDA inspection.
- USP23, Biological test for plastics/Class VI

Temperature Range: -100°F to 450°F

(Refer to SB7/SB7F "P/T" charts from our data sheets)

Color: Transparent White

