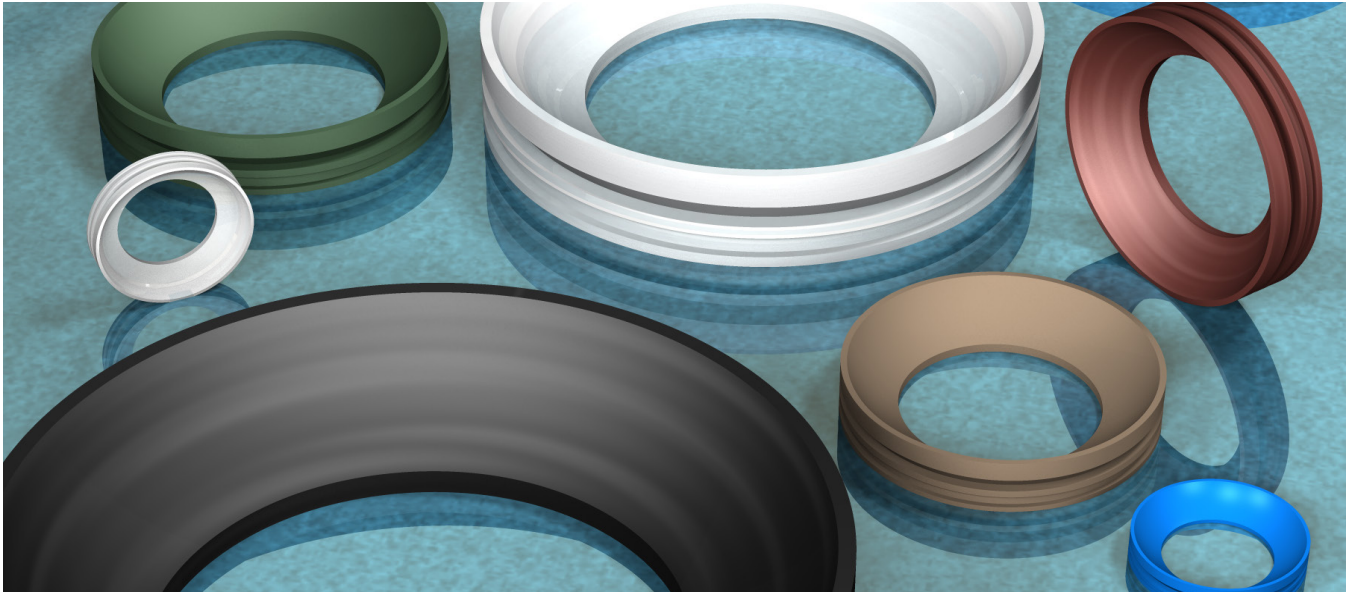


# TECHNICAL BULLETIN: PTFE BALL VALVE SEATS



IPM-TEK produces PTFE Ball Valve Seats for applications where chemical compatibility is important, and where the tightest seal is required. PTFE Ball Valve Seats are chemically inert and 3A/FDA approved for use with food and sanitary service applications. Our G400 (virgin PTFE) material has a low coefficient of friction, allowing valves to require less torque to operate. Capable of withstanding temperatures from -328°F up to +500°F, virgin PTFE can handle an extremely wide range of environments and is often used in high temperature applications.

Because virgin PTFE has lower physical properties than other filled PTFE materials, it is not recommended for use in applications where fluids are abrasive or contaminated with small particles. Abrasives can wear down the material and cause leaks to occur.

While virgin PTFE Ball Valve Seats are White in color, they can also be made from blended materials, or engineered plastics such as PEEK, to meet the requirements of the application. Adding a filler will generally color the material to match the filler, but other custom colors can also be achieved. You must request custom colors prior to fabrication. Certain fillers or colors may affect the physical properties of the material. Please inform us if testing of a certain blend is required.

Give IPM-TEK a call today, and we can work with you to suggest the best solution for your standard, or custom, Ball Valve Seat application.

[www.ipmtek.com](http://www.ipmtek.com)

2352 N. Lobdell Avenue  
Baton Rouge, LA 70806  
Office: 225-928-0114  
Fax: 225-218-4272  
[info@ipmtek.com](mailto:info@ipmtek.com)

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THE AMERICAN PTFE MANUFACTURER