



**SPEC SEALS TECHNICAL REPORT  
PTFE-WH (WHITE) TETRAFLUOROETHYLENE  
(TEFLON) THERMOPLASTIC COMPOUND**

**GENERAL PROPERTIES**

Teflon is DuPont's trade name for Tetrafluoroethylene Elastomers. These compounds offer a combination of excellent chemical resistance and a very slippery surface due to the high level of fluorination and strong carbon backbone of the compound. The strong bonds between the carbon and fluorine atoms make the compound structure extremely stable at a wide variety of temperatures and the most chemically resistant thermoplastic polymer available. SPEC SEALS's PTFE-WH compound is WHITE in color and performs at -300F to +500F. Tetrafluoroethylene compounds are not recommended for contact with Fluorine or molten alkali metal solutions.

**ASTM  
Designation**

**ORIGINAL PROPERTIES**  
Durometer, Shore D  
Tensile, psi (MPa), Minimum  
Elongation, % Minimum  
Specific Gravity

**SPEC SEALS PTFE-WH**

<b><u>ASTM D2000 SPECIFICATION</u></b>	<b><u>LABORATORY PROPERTY</u></b>
50+/-5	52
21 (3000)	4930 (34)
- 300	455
-	2.157