



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. The 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.

<u>ASTM DESIGNATION</u>	<u>ORIGINAL PROPERTIES</u>	<u>SPECIFICATION</u>	<u>LABORATORY PROPERTY</u>
	Durometer, Shore D	50+/-5	52
	Tensile, psi (MPa), Minimum	21 (3000)	4930 (34)
	Elongation, % Minimum	300	455
	Specific Gravity	-	2.157