

# Specification Sheet

**Description:** 40% Bronze Filled PTFE  
**Material:** T02/000

<b>Property</b>	<b>Spec</b>	<b>Value</b>
<b>Specific Gravity</b>	D-792-66	3.10
<b>Tensile Strength</b>	D-1708-79	2000 psi
<b>Elongation</b>	D-1708-79	150%
<b>Deformation</b>		
a) 78°F, 2000psi, 24hrs	D-621-64	
Total Deformation		7%
Permanent Deformation		3%
b) 500°F, 600psi, 24hrs	D-621-64	
Total Deformation		26%
Permanent Deformation		12%
<b>Flexural Strength</b>	D-790-80	
a) 1% Strain		1400 psi
b) 3% Strain		2600 psi
<b>Flexural Modulus</b>	D-790-80	1.4 x 10 <sup>5</sup> psi
<b>Compressive Strength</b>	D-695-80	
a) 0.20% Offset		1300 psi
b) 5% Strain		2300 psi
<b>Hardness</b>	Shore D	60-65
<b>Limiting PV</b>		
a) 10 fpm		7,500 psi x fpm
b) 100 fpm		12,000 psi x fpm
c) 1000 fpm		10,500 psi x fpm
<b>Wear Factor</b>	K x 10 <sup>-10</sup>	5.6
<b>Coefficient of Friction</b>		
a) Static @ 33.33 psi		.05
b) Dynamic @ 33.33 psi, 150 fpm		0.13
<b>Color</b>		Brown

## Description:

PTFE/Bz is a bronze filled PTFE which is extremely stable in a variety of conditions. This material exhibits exceptional chemical, mechanical and thermal properties. Seals made from this material produce low friction and particularly low stick slip or adhesion. This results in long service life compared to some other elastomer based materials. PTFE/Bz material also shows sufficient deformation resistance to extrusion which makes it ideal for rod and piston seals. There are many uses which include, Rod seals, Piston seals, guide rings, anti-extrusion rings,