



# TYPICAL PROPERTIES

Reference Document No. GTS-0064S

Material Name: **AVALON® 69**      Material Description: **PTFE, Thermoplastic & Carbon Filled**

**Physical Properties (ASTM Test Method)**

DESCRIPTION	TYPICAL
Color	Black
Specific Gravity (D1457)	2.00
Tensile Strength, p.s.i. (D1457)	2000
Elongation, % (D1457)	300
Permanent Deformation Under 2000 p.s.i. @ 78°F, % (D621)	1.2
Shear Strength @ 80°F, p.s.i. (D732)	2300
Shear Strength @ 200°F, p.s.i. (D732)	1800
Shear Strength @ 250°F, p.s.i. (D732)	1750
Shear Strength @ 300°F, p.s.i. (D732)	1650
Shear Strength @ 400°F, p.s.i. (D732)	1500
Coefficient of Static Friction Under 33.3 p.s.i.	0.09
Coefficient of Dynamic Friction Under 33.3 p.s.i. @ 150 f.p.m.	0.12
Wear Factor, Cubic Inch-min./lb.-ft.-hr.	1 x 10E-10

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