



Avalon® 96 Typical Properties

Compound No./Material Name: **Avalon® 96**

Material Description: **PTFE, Glass and Molybdenum Filled**

Description (ASTM Standard)	Units	Typical
Physical & Mechanical Properties		
Color		Dark Gray to Black
Specific Gravity (D792)		2.25
Tensile Strength (D4745)	psi [MPa]	3200 [22.07]
Elongation (D4745)	%	370
Permanent Deformation Under 2000 psi @ 78°F [26°C] (D621)	%	3
Shear Strength @ 80°F [27°C] (D732)	psi [MPa]	2000 [13.8]
Shear Strength @ 150°F [66°C] (D732)	psi [MPa]	1800 [12.4]
Shear Strength @ 200°F [93°C] (D732)	psi [MPa]	1750 [12.1]
Shear Strength @ 250°F [121°C] (D732)	psi [MPa]	1700 [11.7]
Shear Strength @ 300°F [149°C] (D732)	psi [MPa]	1600 [11.0]
Shear Strength @ 350°F [177°C] (D732)	psi [MPa]	1500 [10.3]
Shear Strength @ 400°F [204°C] (D732)	psi [MPa]	1400 [9.7]
Coefficient of Static Friction Under 33.3 psi (D3702)		0.07
Coefficient of Dynamic Friction Under 33.3 psi @ 150 fpm (D3702)		0.09
Wear Factor (D3702)	Cubic Inch-min./lb.-ft.-hr.	8 x 10E-10

Specification: Greene, Tweed Internal. Reference GTC Stock/Solid Code: 096.

Greene Tweed

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