

Avalon® 05 Sealing Solutions

Compound No./Material Name: Avalon® 05 (Avalon T)	Material Description: PTFE, Pigmented, Turquoise	Color: Turquoise
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Description (ASTM Standard)	Typical
Physical & Mechanical Properties	
Specific Gravity (D1457)	2.18
Tensile Strength, psi [MPa] (D1457)	4,500 [31.0]
Elongation, % (D1457)	350
Permanent Deformation under 2000 psi [13.8 MPa] @ 78°F [26°C], % (D621)	7
Permanent Deformation under 1000 psi [6.9 MPa] @ 300°F [149°C], % (D621)	14
Shear Strength @ 80°F [27°C], psi [MPa] (D732)	3,000 [20.7]
Shear Strength @ 100°F [38°C], psi [MPa] (D732)	2,700 [18.6]
Shear Strength @ 150°F [66°C], psi [MPa] (D732)	2,250 [15.5]
Shear Strength @ 200°F [93°C], psi [MPa] (D732)	2,050 [14.1]
Shear Strength @ 300°F [149°C], psi [MPa] (D732)	1,550 [10.7]
Coefficient of Static Friction under 33.3 psi [0.23 MPa]	0.05
Coefficient of Dynamic Friction Under 33.3 psi [0.23 MPa] @ 150 FPM	0.08
Wear Factor, in. ³ -min/lb-ft-hr	150 x 10 ⁻¹⁰

Notes:

1. Specification: Greene, Tweed internal.
2. Reference GTC Stock/Solid Code: 066

Contact Us

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