

Avalon® 07 Sealing Solutions

Compound No./Material Name:	Material Description:	Color:
Avalon® 07	PTFE, Pigmented and Molybdenum Filled	Bluish Black

Description (ASTM Standard)	Typical
Physical & Mechanical Properties	
Specific Gravity (D1457)	2.22
Tensile Strength @ Break, psi [MPa] (D1457)	4,000 [27.6]
Elongation, % (D1457)	320
Deformation Under 2,000 psi [13.7 MPa] @ 78°F [26°C], % (D1457)	15
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)	2,150 [14.8]
Shear Strength @ 200°F [93°C], psi [MPa] (D732)	2,000 [13.8]
Shear Strength @ 300°F [149°C], psi [MPa] (D732)	1,650 [11.4]
Coefficient of Static Friction Under 33.3 psi [0.29 MPa] (D3702)	0.04
Coefficient of Dynamic Friction Under 33.3 psi [0.29 MPa] @ 150 FPM (D3702)	0.07
Wear Factor, in. ³ -min/lb-ft-hr (D3702)	150 x 10 ⁻¹⁰

Note: Reference GT Stock/Solid Code: 043.

Contact Us

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