



Avalon[®] 89 Sealing Solutions

Compound No./Material Name:	Material Description:	Color:
Avalon [®] 89	PTFE, Thermoplastic & Carbon Filled, Lubricated	Dark Brown to Black

Description (ASTM Standard)	Typical
Physical & Mechanical Properties	
Specific Gravity (D792)	1.95
Hardness, Shore D, Points (D2240)	65 – 70
Tensile Strength @ Break, psi [MPa] (D4745)	2,200 [15.2]
Elongation, % (D4745)	190
Permanent Deformation Under 2,000 psi [13.7 MPa] @ 78°F [26°C], % (D621)	2.5
Shear Stress @ 80°F [27°C], psi [MPa] D732	2,750 [19.0]
Shear Stress @ 150°F [66°C], psi [MPa] D732	2,550 [17.6]
Shear Stress @ 200°F [93°C], psi [MPa] D732	2,500 [17.2]
Shear Stress @ 250°F [121°C], psi [MPa] D732	2,150 [14.8]
Shear Stress @ 300°F [149°C], psi [MPa] D732	2,050 [14.1]
Shear Stress @ 400°F [204°C], psi [MPa] D732	2,050 [14.1]
Coefficient of Static Friction (D3702)	0.11 – 0.215
Coefficient of Dynamic Friction (D3702)	0.24 – 0.30
Wear Factor, by Weight (D3702)	0.90 x 10 ⁻¹⁰

Notes:

1. Specification: Greene Tweed Internal.
2. Reference GTC Stock/Solid Code: 389.

Contact Us

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