

Avalon® 09 Sealing Solutions

Compound No./Material Name: AVALON® 09	Material Description: PTFE, GRAPHITE FILLED	Color: DARK GRAY TO BLACK
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Description (ASTM Standards)	Typical
Physical Properties	
Specific Gravity (D792)	2.11-2.18
Hardness, Shore D, Points (D2240)	60±5
Tensile Strength @ Break, psi [MPa] (D4745)	2,400
Elongation @ Break, % (D4745)	175[30.3]
Compressive Strength @ 25% Strain, psi [MPa] (D695)	4,400
Permanent Deformation Under 2,000 psi (13.8 MPa) @ 78°F (26°C), % (D621)	8
Permanent Deformation Under 1,000 psi (6.9 MPa) @ 300°F (149°C), % (D621)	14
Shear Strength @ 80°F (27°C), psi [MPa] (D732)	2,800 [19.3]
Shear Strength @ 100°F (38°C), psi [MPa] (D732)	2,700 [18.6]
Shear Strength @ 150°F (66°C), psi [MPa] (D732)	2,400 [16.5]
Shear Strength @ 200°F (93°C), psi [MPa] (D732)	2,250 [15.5]
Shear Strength @ 300°F (149°C), psi [MPa] (D732)	2,100 [14.5]
Coefficient of Static Friction Under 33.3 psi (0.23 MPa) (D3702)	0.05
Coefficient of Dynamic Friction Under 33.3 psi (0.23 MPa) @ 150 f.p.m. (D3702)	0.07
Wear Factor, cubic inch-min./lb.-ft.-hr. (D3702)	30 x 10E ⁻¹⁰

Contact Us

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