

Avalon® 06 Sealing Solutions

Compound No./Material Name:	Material Description:	Color:
Avalon® 06	PTFE, Green Pigmented	Light Green

Description (ASTM Standard)	Typical
Physical & Mechanical Properties	
Specific Gravity (D792)	2.18
Hardness, Shore D, Points (D2240)	52
Tensile Strength, psi [MPa] (D1708)	4,500 [31.0]
Elongation, % (D1708)	350
Compressive Strength @ 25% Strain, psi [MPa] (D695)	3,400 [23.4]
Permanent Deformation under 2,000 psi [13.8 MPa] @ 78°F [26°C], % (D621)	15
Permanent Deformation under 1,000 psi [6.9 MPa] @ 300°F [149°C], % (D621)	25
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
Wear Factor, in. ³ -min/lb-ft-hr	150 x 10 ⁻¹⁰

Notes:

1. Specification: Greene Tweed internal.
2. Reference GTC Stock/Solid Code: 041.
3. Material meets the requirements of AMS 3678/9.

Contact Us

Greene Tweed
Kulpsville, PA, USA

Tel: +1.215.256.9521
Fax: +1.215.256.0189

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