

Greene Tweed Avalon® 57 PTFE, Thermoset Resin Filled

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

Products made from Avalon® thermoplastics are constructed from proprietary high-performance reinforced PTFE material. Greene, Tweeds Avalon thermoplastics, available in grades ranging from virgin to reinforced, exhibit low friction while being chemically inert. Avalon thermoplastics can be custom designed to for each unique application. Information provided by Greene Tweed.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Greene-Tweed-Avalon-57-PTFE-Thermoset-Resin-Filled.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.05 g/cc	2.05 g/cc	ASTM D792
Deformation	2.3 %	2.3 %	2000 psi 78°F; ASTM D621

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	ASTM D2240
Tensile Strength, Yield	17.9 MPa	2600 psi	ASTM D1457
Elongation at Break	300 %	300 %	ASTM D1457
Coefficient of Friction, Dynamic	0.13	0.13	33.3 psi @ 150 fpm
Coefficient of Friction, Static	0.060	0.060	33.3 psi
K (wear) Factor	$4.43 \times 10^{-8} \text{ mm}^3/\text{N-M}$	$2.20 \times 10^{-10} \text{ in}^3/\text{min/ft-lb-hr}$	

Descriptive Properties	Value	Comments
Color	Light Brown to Tan	

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