

## Greene Tweed Avalon<sup>®</sup> 7 PTFE, Pigmented and Molybdenum Filled

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

### Material Notes:

Products made from Avalon<sup>®</sup> 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-7-PTFE-Pigmented-and-Molybdenum-Filled.php](http://www.lookpolymers.com/polymer_Greene-Tweed-Avalon-7-PTFE-Pigmented-and-Molybdenum-Filled.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.22 g/cc	2.22 g/cc	ASTM D792
Deformation	15 %	15 %	2000 psi 78 <sup>°</sup> F; ASTM D621

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	27.6 MPa	4000 psi	ASTM D1457
Elongation at Break	320 %	320 %	ASTM D1457
Shear Strength	11.4 MPa	1650 psi	ASTM D732
	@Temperature 149 <sup>°</sup> C	@Temperature 300 <sup>°</sup> F	
	13.8 MPa	2000 psi	
	@Temperature 93.3 <sup>°</sup> C	@Temperature 200 <sup>°</sup> F	
	14.8 MPa	2150 psi	
	@Temperature 65.6 <sup>°</sup> C	@Temperature 150 <sup>°</sup> F	ASTM D732
	18.6 MPa	2700 psi	ASTM D732
	@Temperature 37.8 <sup>°</sup> C	@Temperature 100 <sup>°</sup> F	
	20.7 MPa	3000 psi	
	@Temperature 26.7 <sup>°</sup> C	@Temperature 80.0 <sup>°</sup> F	ASTM D732
Coefficient of Friction, Dynamic	0.070	0.070	33.3 psi @ 150 fpm
Coefficient of Friction, Static	0.040	0.040	33.3 psi
K (wear) Factor	302 x 10 <sup>-8</sup> mm <sup>3</sup> /N-M	150 x 10 <sup>-10</sup> in <sup>3</sup> -min/ft-lb-hr	

Descriptive Properties	Value	Comments
Color	Bluish Black	

## Contact Songhan Plastic Technology Co.,Ltd.

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