

## Greene Tweed Avalon® 89 PTFE

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-89-PTFE.php](http://www.lookpolymers.com/polymer_Greene-Tweed-Avalon-89-PTFE.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.00 g/cc	2.00 g/cc	ASTM D792
Deformation	2.5 %	2.5 %	2000 psi 78°F; ASTM D621

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	63	63	
Tensile Strength, Yield	13.8 MPa	2000 psi	ASTM D1457
Elongation at Break	200 %	200 %	ASTM D1457
Shear Strength	14.1 MPa	2050 psi	ASTM D732
	@Temperature 149 °C	@Temperature 300 °F	
	14.1 MPa	2050 psi	ASTM D732
	@Temperature 204 °C	@Temperature 400 °F	
	17.2 MPa	2500 psi	ASTM D732
	@Temperature 93.3 °C	@Temperature 200 °F	
	17.6 MPa	2550 psi	ASTM D732
	@Temperature 65.6 °C	@Temperature 150 °F	
	19.0 MPa	2750 psi	ASTM D732
	@Temperature 26.7 °C	@Temperature 80.0 °F	
Coefficient of Friction, Dynamic	0.12	0.12	33.3 psi @ 150 fpm
Coefficient of Friction, Static	0.090	0.090	33.3 psi
K (wear) Factor	2.01 x 10 <sup>-8</sup> mm <sup>3</sup> /N-M	1.00 x 10 <sup>-10</sup> in <sup>3</sup> -min/ft-lb-hr	

Descriptive Properties	Value	Comments
Color	Black	

## Contact Songhan Plastic Technology Co.,Ltd.

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