

## Greene Tweed Avalon® 69 PTFE, Thermoplastic and Carbon Filled

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE , Polytetrafluoroethylene (PTFE), Carbon Fiber Filled

### 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-69-PTFE-Thermoplastic-and-Carbon-Filled.php](http://www.lookpolymers.com/polymer_Greene-Tweed-Avalon-69-PTFE-Thermoplastic-and-Carbon-Filled.php)

| Physical Properties | Metric    | English   | Comments                 |
|---------------------|-----------|-----------|--------------------------|
| Specific Gravity    | 2.00 g/cc | 2.00 g/cc | ASTM D792                |
| Deformation         | 1.2 %     | 1.2 %     | 2000 psi 78°F; ASTM D621 |

| Mechanical Properties            | Metric                                       | English  | Comments           |
|----------------------------------|--|--|--------------------|
| Tensile Strength, Yield          | 13.8 MPa                                     | 2000 psi   | ASTM D1457         |
| Elongation at Break              | 300 %  | 300 %  | ASTM D1457         |
| Shear Strength                   | 10.3 MPa                                     | 1500 psi   | ASTM D732          |
|                                  | @Temperature 204 °C                          | @Temperature 400 °F                                    |                    |
|                                  | 11.4 MPa                                     | 1650 psi   |                    |
|                                  | @Temperature 149 °C                          | @Temperature 300 °F                                    | ASTM D732          |
|                                  | 12.4 MPa                                     | 1800 psi   | ASTM D732          |
|                                  | @Temperature 93.3 °C                         | @Temperature 200 °F                                    |                    |
|                                  | 15.9 MPa                                     | 2300 psi   | ASTM D732          |
|                                  | @Temperature 26.7 °C                         | @Temperature 80.0 °F                                   |                    |
| Coefficient of Friction, Dynamic | 0.12   | 0.12   | 33.3 psi @ 150 fpm |
| 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.

Website : www.lookpolymers.com

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China