

## Greene Tweed Xycomp® 1030-01 Carbon/Nylon 12 Composite

Category : Polymer , Thermoplastic , Nylon , Nylon 12

### Material Notes:

Greene, Tweeds Xycomp® engineered components offer a wider range of benefits than conventional thermoset resin systems because they rely on thermoplastic resins for their matrix. With specific strength and specific stiffness values over 400 percent that of Titanium and superior chemical compatibility and fire resistance properties, Greene, Tweeds Xycomp composites deliver greater value. Like all Greene, Tweed products, Xycomp components reflect the combination of engineering expertise with customer specifications. Additional benefits offered by Xycomp include improved chemical resistance, increased impact, toughness and ductility, more complex single-mold components, excellent post-molding machinability, recyclability, and infinite shelf life. Information provided by Greene Tweed.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Greene-Tweed-Xycomp-1030-01-CarbonNylon-12-Composite.php](http://www.lookpolymers.com/polymer_Greene-Tweed-Xycomp-1030-01-CarbonNylon-12-Composite.php)

| Physical Properties | Metric    | English   | Comments  |
|---------------------|-----------|-----------|-----------|
| Specific Gravity    | 1.40 g/cc | 1.40 g/cc | ASTM D792 |

| Mechanical Properties     | Metric   | English    | Comments |
|---------------------------|----------|------------|----------|
| Tensile Strength at Break | 765 MPa  | 111000 psi |          |
| Tensile Modulus           | 60.0 GPa | 8700 ksi   |          |
| Flexural Strength         | 558 MPa  | 81000 psi  |          |
| Flexural Modulus          | 47.6 GPa | 6900 ksi   |          |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Color                  | Black |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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