

**A. Schulman ComAlloy Hiloy® 420 Polyester - PBT, Glass/Mineral Reinforced**

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Glass + Mineral Filled

**Material Notes:**

Data provided by the manufacturer, ComAlloy International Company.30% Glass/Mineral Reinforced.The ComAlloy product line has been integrated into the A Schulman product line.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_A-Schulman-ComAlloy-Hiloy-420-Polyester-PBT-GlassMineral-Reinforced.php](http://www.lookpolymers.com/polymer_A-Schulman-ComAlloy-Hiloy-420-Polyester-PBT-GlassMineral-Reinforced.php)

| Physical Properties   | Metric       | English                   | Comments  |
|-----------------------|--------------|---------------------------|-----------|
| Density               | 1.55 g/cc    | 0.0560 lb/in <sup>3</sup> |           |
| Linear Mold Shrinkage | 0.0080 cm/cm | 0.0080 in/in              | ASTM D955 |

| Mechanical Properties      | Metric     | English        | Comments  |
|----------------------------|------------|----------------|-----------|
| Hardness, Rockwell R       | 120        | 120            | ASTM D785 |
| Tensile Strength, Ultimate | 50.0 MPa   | 7250 psi       | ASTM D638 |
| Elongation at Break        | 3.0 %      | 3.0 %          | ASTM D638 |
| Flexural Strength          | 79.0 MPa   | 11500 psi      | ASTM D790 |
| Flexural Modulus           | 5.60 GPa   | 812 ksi        | ASTM D790 |
| Izod Impact, Notched       | 0.270 J/cm | 0.506 ft-lb/in | ASTM D256 |
| Izod Impact, Unnotched     | 2.67 J/cm  | 5.00 ft-lb/in  | ASTM D256 |

| Thermal Properties                          | Metric       | English      | Comments  |
|---|--------------|--------------|-----------|
| Melting Point                               | 210 - 225 °C | 410 - 437 °F |           |
| Deflection Temperature at 0.46 MPa (66 psi) | 206 °C       | 403 °F       | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 178 °C       | 352 °F       | ASTM D648 |

| Processing Properties     | Metric       | English      | Comments |
|---------------------------|--------------|--------------|----------|
| Middle Barrel Temperature | 235 - 249 °C | 455 - 480 °F |          |

**Contact Songhan Plastic Technology Co.,Ltd.**Website : [www.lookpolymers.com](http://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