

## A. Schulman ComAlloy Hiloy® 132 Polypropylene, Glass/Mineral Reinforced, Chemically Coupled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Glass/Mineral Reinforced

### Material Notes:

Data provided by the manufacturer, ComAlloy International Company. 45% 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-132-Polypropylene-GlassMineral-Reinforced-Chemically-Coupled.php](http://www.lookpolymers.com/polymer_A-Schulman-ComAlloy-Hiloy-132-Polypropylene-GlassMineral-Reinforced-Chemically-Coupled.php)

| Physical Properties   | Metric       | English                   | Comments  |
|-----------------------|--------------|---------------------------|-----------|
| Density               | 1.22 g/cc    | 0.0441 lb/in <sup>3</sup> |           |
| Linear Mold Shrinkage | 0.0040 cm/cm | 0.0040 in/in              | ASTM D955 |

| Mechanical Properties      | Metric     | English       | Comments  |
|----------------------------|------------|---------------|-----------|
| Hardness, Rockwell R       | 106        | 106           | ASTM D785 |
| Tensile Strength, Ultimate | 70.0 MPa   | 10200 psi     | ASTM D638 |
| Elongation at Break        | 3.1 %      | 3.1 %         | ASTM D638 |
| Flexural Strength          | 107 MPa    | 15500 psi     | ASTM D790 |
| Flexural Modulus           | 4.70 GPa   | 682 ksi       | ASTM D790 |
| Izod Impact, Notched       | 0.750 J/cm | 1.41 ft-lb/in | ASTM D256 |
| Izod Impact, Unnotched     | 5.23 J/cm  | 9.80 ft-lb/in | ASTM D256 |

| Thermal Properties                          | Metric | English | Comments  |
|---------------------------------------------|--------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 163 °C | 325 °F  | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 144 °C | 291 °F  | ASTM D648 |

| Processing Properties  | Metric | English | Comments                               |
|------------------------|--------|---------|----------------------------------------|
| Processing Temperature | 225 °C | 437 °F  | Approximate middle barrel temperature. |

## Contact Songhan Plastic Technology Co.,Ltd.

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