

A. Schulman ComAlloy® E-12812 Easy Flow Glass Reinforced Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Information provided by A. Schulman. 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-E-12812-Easy-Flow-Glass-Reinforced-Nylon-66.php

| Physical Properties | Metric | English | Comments |
|-----------------------|---------------------|----------------------|-----------|
| Specific Gravity | 1.22 g/cc | 1.22 g/cc | ASTM D792 |
| Linear Mold Shrinkage | 0.0090 cm/cm | 0.0090 in/in | ASTM D955 |
| | @Thickness 3.175 mm | @Thickness 0.1250 in | |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|------------|----------------|------------|
| Tensile Strength at Break | 99.3 MPa | 14400 psi | ASTM D638 |
| Elongation at Break | 7.0 % | 7.0 % | ASTM D638 |
| Flexural Strength | 161 MPa | 23300 psi | ASTM D790 |
| Flexural Modulus | 4.82 GPa | 699 ksi | ASTM D790 |
| Izod Impact, Notched | 0.427 J/cm | 0.800 ft-lb/in | ASTM D256 |
| Izod Impact, Unnotched | 4.06 J/cm | 7.60 ft-lb/in | ASTM D4812 |

| Thermal Properties | Metric | English | Comments |
|---|--------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 219 °C | 426 °F | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 203 °C | 397 °F | ASTM D648 |

| Processing Properties | Metric | English | Comments |
|-----------------------|----------------|--------------|-----------|
| Melt Temperature | 280 - 300 °C | 536 - 572 °F | |
| Mold Temperature | 65.6 - 93.3 °C | 150 - 200 °F | |
| Drying Temperature | 79.4 °C | 175 °F | |
| Dry Time | 2 - 4 hour | 2 - 4 hour | Predrying |

Contact Songhan Plastic Technology Co.,Ltd.Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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