

## E-Polymers SEPAZ® LC50 PP Copolymer LFT Resin

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

### Material Notes:

Long Fiber Thermoplastics: SEPAZ LFT products, injection moldable long fiber-reinforced thermoplastics (LFT), are made using a unique pultrusion that thoroughly wets out the glass fibers and delivers optimal reinforcement to the plastic matrix in contrast to conventional short glass fiber-reinforced thermoplastics. Molded parts made of SEPAZ LFT are used in virtually every sector of consumer and industrial manufacturing, including automotive, recreation & sports, marine, food & beverage. Information Provided by E-Polymers Co., Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_E-Polymers-SEPAZ-LC50-PP-Copolymer-LFT-Resin.php](http://www.lookpolymers.com/polymer_E-Polymers-SEPAZ-LC50-PP-Copolymer-LFT-Resin.php)

| Physical Properties               | Metric                     | English                    | Comments  |
|-----------------------------------|----------------------------|----------------------------|-----------|
| Specific Gravity                  | 1.33 g/cc                  | 1.33 g/cc                  | ASTM D792 |
| Water Absorption                  | 0.020 %<br>@Time 86400 sec | 0.020 %<br>@Time 24.0 hour |           |
| Linear Mold Shrinkage             | 0.0020 cm/cm               | 0.0020 in/in               |           |
| Linear Mold Shrinkage, Transverse | 0.0050 cm/cm               | 0.0050 in/in               |           |

| Mechanical Properties | Metric                             | English                                | Comments  |
|-----------------------|------------------------------------|----------------------------------------|-----------|
| Tensile Strength      | 127.53 MPa                         | 18497 psi                              | ASTM D638 |
| Elongation at Break   | 2.0 %                              | 2.0 %                                  | ASTM D638 |
| Flexural Strength     | 181.49 MPa                         | 26323 psi                              | ASTM D790 |
| Flexural Modulus      | 9.3195 GPa                         | 1351.7 ksi                             | ASTM D790 |
| Izod Impact, Notched  | 3.43 J/cm<br>@Temperature 23.0 °C  | 6.43 ft-lb/in<br>@Temperature 73.4 °F  | ASTM D256 |
|                       | 3.43 J/cm<br>@Temperature -30.0 °C | 6.43 ft-lb/in<br>@Temperature -22.0 °F | ASTM D256 |

| Thermal Properties                          | Metric | English | Comments  |
|---------------------------------------------|--------|---------|-----------|
| Deflection Temperature at 1.8 MPa (264 psi) | 165 °C | 329 °F  | ASTM D648 |
| Flammability, UL94                          | HB     | HB      |           |

| Processing Properties | Metric       | English      | Comments |
|-----------------------|--------------|--------------|----------|
| Melt Temperature      | 220 - 230 °C | 428 - 446 °F |          |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
|-----------------------|--------|---------|----------|

**Contact Songhan Plastic Technology Co.,Ltd.**

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