

## SCG Chemicals EL-Pro,ç P600F Polypropylene Film Resin

Category : Polymer , Film , Thermoplastic , Polypropylene (PP) , Polypropylene, Film Grade

### Material Notes:

Key Characteristics: Good optical properties, High productivity, Good openability with 3000 ppm slip agent and 2700 ppm antiblocking agent. Recommended Applications: Water quenched blown film for food and apparel packaging. Information provided by SCG Chemicals

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SCG-Chemicals-EL-Pro-P600F-Polypropylene-Film-Resin.php](http://www.lookpolymers.com/polymer_SCG-Chemicals-EL-Pro-P600F-Polypropylene-Film-Resin.php)

| Physical Properties | Metric   | English  | Comments   |
|---------------------|--|--|------------|
| Specific Gravity    | 0.910 g/cc   | 0.910 g/cc   | ASTM D1505 |
| Thickness           | 25.0 microns   | 0.984 mil  |            |
| Melt Flow           | 10 g/10 min<br>@Load 2.16 kg,<br>Temperature 230 Å°C | 10 g/10 min<br>@Load 4.76 lb,<br>Temperature 446 Å°F | ASTM D1238 |

| Mechanical Properties              | Metric     | English        | Comments  |
|------------------------------------|------------|----------------|-----------|
| Film Tensile Strength at Yield, MD | 28.0 MPa   | 4060 psi       | ASTM D882 |
| Film Tensile Strength at Yield, TD | 20.0 MPa   | 2900 psi       | ASTM D882 |
| Film Elongation at Break, MD       | 850 %      | 850 %          | ASTM D882 |
| Film Elongation at Break, TD       | 770 %      | 770 %          | ASTM D882 |
| Flexural Modulus                   | 1.67 GPa   | 242 ksi        | ASTM D790 |
| Secant Modulus, MD                 | 0.690 GPa  | 100 ksi        | ASTM D882 |
| Secant Modulus, TD                 | 0.540 GPa  | 78.3 ksi       | ASTM D882 |
| Izod Impact, Notched               | 0.245 J/cm | 0.459 ft-lb/in | ASTM D256 |
| Film Tensile Strength at Break, MD | 27.0 MPa   | 3920 psi       | ASTM D882 |
| Film Tensile Strength at Break, TD | 26.0 MPa   | 3770 psi       | ASTM D882 |

| Thermal Properties                          | Metric       | English     | Comments   |
|---|--------------|-------------|------------|
| Melting Point                               | 160 Å°C      | 320 Å°F     | ASTM D2117 |
| Deflection Temperature at 0.46 MPa (66 psi) | 110 Å°C      | 230 Å°F     | ASTM D648  |
| Vicat Softening Point                       | 155 Å°C      | 311 Å°F     | ASTM D1525 |
| Brittleness Temperature                     | <= -10.0 Å°C | <= 14.0 Å°F | ASTM D746  |

| Thermal Properties | Metric | English | Comments   |
|--------------------|--------|---------|------------|
| Optical Properties | Metric | English | Comments   |
| Haze               | 9.0 %  | 9.0 %   | ASTM D1003 |
| Gloss              | 55 %   | 55 %    | ASTM D2457 |

## Contact Songhan Plastic Technology Co.,Ltd.

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