

Product Description

EL-PRO P600F is a Homopolymer polypropylene resin with slip and antiblock agent.

Typical Applications

- Food packaging

Product Characteristics

- High productivity
- Good optical properties
- Excellent open-ability
- Food contact applicable (Complies with U.S FDA 21 CFR 177.1520)
- Slip content 3000 ppm
- Antiblock content 2700 ppm

Physical properties

Property	Test Method	Value	Unit
Resin Properties			
Melt Flow Rate	ASTM D 1238 @ 230 °C, 2.16 kg	10	g/10 min
Density	ASTM D 1505	0.910	g/cm ³
Melting Point	ASTM D 2117	160	°C
Vicat Softening Point	ASTM D 1525	155	°C
Brittleness Temperature	ASTM D 746	< - 10	°C
Film Properties			
Tensile Strength at Yield	ASTM D 882	MD:290*, TD:200*	kg/cm ²
Tensile Strength at Break	ASTM D 882	MD:280*, TD:260*	kg/cm ²
Tensile Modulus, 2% Secant	ASTM D 882	MD:7000*, TD:5500*	kg/cm ²
Elongation at Break	ASTM D 882	MD:850*, TD:770*	%
Flexural Modulus	ASTM D 790	17,000	kg/cm ²
Izod Impact Strength	ASTM D 256 @ 23 °C	2.5	kg.cm/cm
Heat Deflection Temperature	ASTM D 648 @ 4.6 kg/cm ²	110	°C
Haze	ASTM D 1003	9	%
Gloss	ASTM D 2457	55	%

(*) Properties obtained from film produced on a pilot line at TPE, 25 micron, cooling water temperature 35 °C

Note : Conversion factor for changing unit from kg/cm² to MPa is divided by 10.2

Processing Techniques

The actual extrusion condition depends on type of using machine, size and film thickness of product required. Generally, melt temperature should be 190-210 °C, BUR = 1.5:1 is recommended, cooling water temperature not over than 20 °C.

Product Available Form

- Pellet

Product Handling

- 25 kg loose bag
- Big bag with specified weight

Product Technical Assistance

For technical assistance or further information on this product or any other EL-Lene products, please contact EL-Lene representatives.

The information presented in this data sheet is offered in good faith. SCG Plastics Co., Ltd. accepts no responsibility for the accuracy or interpretation of the information presented. The users have to establish for yourself the most suitable formulation, production method and control tests, to ensure the uniformity and quality of your product in compliance with all related laws.