

**Product Description**

EL-PRO P600FS is a homopolymer polypropylene resin with high slip and antiblock agent content suitable for production of tubular water quenched thin film (IPP) which requires high clarity and gloss.

Typical Applications

- High productivity
- Food packaging

Product Characteristics

- High transparency, gloss and stiffness
- Excellent film open-ability

Physical properties

Property	Test Method	Value	Unit
Resin Properties			
Melt Flow Rate	ASTM D 1238 @ 230 °C, 2.16 kg	12	g/10 min
Density	ASTM D 1505	0.910	g/cm ³
Melting Point	ASTM D 2117	161	°C
Vicat Softening Point	ASTM D 1525	155	°C
Brittleness Temperature	ASTM D 746	< - 10	°C
Physical Properties			
Flexural Modulus	ASTM D 790	14,500	kg/cm ²
Izod Impact Strength	ASTM D 256 @ 23 °C	4.5	kg.cm/cm
Tensile Strength at Break	ASTM D 882	MD: 220*, TD: 80*	kg/cm ²
Tensile Modulus, 2% Secant	ASTM D 882	MD: 4000*, TD: 4600*	kg/cm ²
Elongation at Break	ASTM D 882	MD: 450*, TD: 30*	%
Haze	ASTM D 1003	2*	%
Gloss	ASTM D 2457	86*	%

(*) Properties obtained from film produced on a pilot line at TPE, 15 micron, cooling water temperature 16 °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 200-210 °C, cooling water temperature 15 - 30 °C

Product Technical Assistance

For technical assistance or further information on this product or any other SCG Chemicals' products contact your SCG Chemicals technical service at the address or telephone number as specified below.

Product Available Form

- Pellet

Product Packaging

- 25 kg loose bag
- Big bag with specified weight

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