

P607F

Product Description

EL-Pro™ P607F is a homopolymer polypropylene resin without slip and antiblocking agent suitable for cast film application as a core layer of a co-extrusion film or a monolayer film requiring high film stiffness and high clarity.

Typical Applications

- As a core layer for co-extrusion cast film
- As a core layer for metallized film
- Monolayer cast film

Product Characteristics

- Good film stiffness
- Good optical properties
- Low gels
- Excellent processability

Physical Properties

Property	Test Method	Value	Unit
Resin Properties			
Melt Flow Rate	ASTM D 1238 @ 230 °C, 2.16 kg	7.0	g/10 min
Density	ASTM D 1505	0.910	g/cm ³
Melting Point	ASTM D 2117	162	°C
Vicat Softening Point	ASTM D 1525	154	°C
Flexural Modulus	ASTM D 790	16400	kg/cm ²
Film Properties			
Tensile Strength at Yield	ASTM D 882	MD: 290*, TD: 230*	kg/cm ²
Tensile Strength at Break	ASTM D 882	MD: 370*, TD: 90*	kg/cm ²
Tensile Modulus, 2% Secant	ASTM D 882	MD: 5200*, TD: 3900*	kg/cm ²
Elongation at Break	ASTM D 882	MD: 470*, TD: 20*	%
Haze	ASTM D 1003	1.3*	%
Gloss	ASTM D 2457	84*	%

(*) Properties of film at 20 µm (extrusion at 220 °C, cooling water temperature 20 °C), MD = machine direction, TD = transverse direction

Note : Conversion factor for changing unit from kg/cm² to MPa is divided by 10.20

Processing Techniques

Generally, melt temperature should be around 170-200 °C. However, the actual extrusion conditions depend on type of using machine, size and film thickness of product required.

Product Available Form

- Pellet

Product Handling

- 25kg loose bag