

EL-Pro™ P607F

Polypropylene Homopolymer

SCG Chemicals Co., Ltd.

Message:

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.

General Information			
Features	Good Processability		
	High Clarity		
	High Stiffness		
	Homopolymer		
	Low Gel		
	Opticals		
Uses	Cast Film		
	Film		
Forms	Pellets		
Processing Method	Cast Film		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1610	MPa	ASTM D790
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
2% Secant, MD : 20 µm	510	MPa	
2% Secant, TD : 20 µm	382	MPa	
Tensile Strength			ASTM D882
MD : Yield, 20 µm	28.4	MPa	
TD : Yield, 20 µm	22.6	MPa	
MD : Break, 20 µm	36.3	MPa	
TD : Break, 20 µm	8.83	MPa	
Tensile Elongation			ASTM D882
MD : Break, 20 µm	470	%	
TD : Break, 20 µm	20	%	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	154	°C	ASTM D1525
Melting Temperature	162	°C	

Optical	Nominal Value	Unit	Test Method
Gloss (20.0 μm)	84		ASTM D2457
Haze (20.0 μm)	1.3	%	ASTM D1003

Extrusion	Nominal Value	Unit
Melt Temperature	200 to 230	°C

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