

InnoPlus LL7410G1

Linear Low Density Polyethylene

PTT Global Chemical Public Company Limited

Message:

InnoPlus LL7410G1 resin is a linear low density polyethylene with butene comonomers, with low content of slip and antiblock added. Films extruded from InnoPlus LL7410G1 have extremely low gel level with superior clarity. This grade offers high tensile strength, elongation, good toughness and outstanding puncture strength.

InnoPlus LL7410G1 is recommended for producing the lamination films, general purpose films, liners, food packaging, heavy duty and agricultural films.

General Information			
Additive	Antiblock		
	Slip		
Features	Antiblocking		
	Butene Comonomer		
	Good Toughness		
	High Elongation		
	High Tensile Strength		
	Machinable		
	Puncture Resistant		
	Slip		
Uses	Agricultural Applications		
	Film		
	Food Packaging		
	Liners		
Forms	Pellets		
Processing Method	Blown Film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.920	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	ASTM D882
Secant Modulus			
1% Secant, MD : 25 µm, Blown Film	190	MPa	
1% Secant, TD : 25 µm, Blown Film	220	MPa	ASTM D882
Tensile Strength			
MD : Break, 25 µm,Blown Film	34.0	MPa	
TD : Break, 25 µm,Blown Film	26.0	MPa	

Tensile Elongation			ASTM D882
MD : Break, 25 µm,Blown Film	700	%	
TD : Break, 25 µm,Blown Film	900	%	
Dart Drop Impact (25 µm, Blown Film)	90	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm, Blown Film	100	g	
TD : 25 µm, Blown Film	350	g	
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	121	°C	ASTM D3418
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.0 µm, Blown Film)	50		ASTM D2457
Haze (25.0 µm, Blown Film)	11	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	160 to 180	°C	
Die Temperature	170 to 190	°C	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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