InnoPlus LL7410D2

Linear Low Density Polyethylene

PTT Global Chemical Public Company Limited

Message:

InnoPlus LL7410D2 resin is a linear low density polyethylene with butene comonomers, with very high content of slip and antiblock. This grade offers the excellent machinability on conversion lines. Films extruded from InnoPlus LL7410D2 have high tensile strength, elongation, good toughness and outstanding puncture strength. It is available for tubular blown film processing.
InnoPlus LL7410D2 is recommended for producing the general purpose films, liners, food packaging, heavy duty and agricultural films.

General Information			
Additive	Antiblock (5000 ppm) Slip (1500 ppm)		
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	0.921	g/cm^3	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D, Compression Molded)	52		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield, Compression Molded	11.0	MPa	
Break, Compression Molded	28.0	MPa	
Tensile Elongation (Break, Compression Molded)	790	%	ASTM D638

Flexural Modulus (Compression Molded)	310	MPa	ASTM D790
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	25	µm	
Secant Modulus			ASTM D882
1% Secant, MD : 25 µm, Blown Film	190	MPa	
1% Secant, TD : 25 µm, Blown Film	222	MPa	
Tensile Strength			ASTM D882
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	
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (Compression Molded)	440	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	99.0	°C	ASTM D1525
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)	20	%	ASTM D1003
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	160 to 180	°C	
Die Temperature	170 to 190	°C	

Recommended distributors for this material

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


WECHAT