InnoPlus LL7910A

Metallocene Linear Low Density Polyethylene

PTT Global Chemical Public Company Limited

Message:

InnoPlus LL7910A resin is a metallocene polyethylene with hexene comonomers, without slip and antiblock. This grade is an easy processing grade which offers an outstanding balance between processing and film properties. Films extruded from InnoPlus LL7910A have high tensile and dart Impact strength properties. It is suitable for both blown film and cast film processing.
InnoPlus LL7910A is recommended for producing the heavy duty films, stretch films, shrink films, lamination films, liners, food packagings, multi-layer packaging films and freezer packaging films.

General Information	
Features	Additive Free
	Food Contact Acceptable
	Good Impact Resistance
	Hexene Comonomer
	High Tensile Strength
	Puncture Resistant
Uses	Film
	Food Packaging
	Laminates
	Liners
	Low Temperature Applications
	Multilayer Film
	Shrink Wrap
	Stretch Wrap
Agency Ratings	FDA 21 CFR 177.1520
RoHS Compliance	RoHS Compliant
Forms	Pellets
Processing Method	Blown Film
	Cast Film

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm³	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	
Secant Modulus			ASTM D882
1% Secant, MD : 25 µm, Blown Film	191	MPa	
1% Secant, TD : 25 µm, Blown Film	224	MPa	

Tensile Strength			ASTM D882
MD : Break, 25 µm,Blown Film	60.0	MPa	
TD : Break, 25 µm,Blown Film	53.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 25 µm,Blown Film	490	%	
TD : Break, 25 µm,Blown Film	680	%	
Dart Drop Impact (25 µm, Blown Film)	210	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm, Blown Film	110	g	
TD : 25 µm, Blown Film	570	g	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	107	°C	ASTM D1525
Peak Melting Temperature	114	°C	ASTM D3418
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°, 25.0 µm, Blown Film)	62		ASTM D2457
Haze (25.0 µm, Blown Film)	8.0	%	ASTM D1003
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	160 to 180	°C	
Die Temperature	170 to 190	°C	

Recommended distributors for this material

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