

# LL7410A

Linear Low Density Polyethylene Resin

**Special Characteristics :** InnoPlus LL7410A resin is a linear low density polyethylene with butene comonomers, without slip and antiblock. This grade offers the excellent machinability on conversion lines. Films extruded from InnoPlus LL7410A have high tensile strength, elongation, good toughness and outstanding puncture strength. It is available for tubular blown film processing. Besides, this grade can be used for blending with HDPE as well.

**Typical Applications :** InnoPlus LL7410A is recommended for producing the general purpose films, liners, heavy duty films, food packaging and agricultural films.

## Typical Properties :

Properties	InnoPlus LL7410A	Unit	Test Method
<b><i>Physical Properties</i></b>			
Melt Index (190 °C, 2.16 kg)	1.0	g/10 min	ASTM D1238
Density	0.918	g/cm <sup>3</sup>	ASTM D792
Melting Point	121	°C	ASTM D3418
Vicat Softening Point	96	°C	ASTM D1525
<b><i>Film Properties*</i></b>			
Tensile Strength at Break (MD/TD)	34 / 26	MPa	ASTM D882
Elongation at Break (MD/TD)	700 / 900	%	ASTM D882
Tensile Modulus, 1% Secant (MD/TD)	190 / 220	MPa	ASTM D882
Dart Impact Strength	100	g	ASTM D1709
Tear Strength (MD/TD)	100 / 350	g	ASTM D1922
Haze	10	%	ASTM D1003
Gloss (45°)	55	-	ASTM D2457
<i>* film properties obtained from 25 microns film which was blown film extruded at blow up ratio 2</i>			
<b><i>Mechanical Properties (Based on compression specimens)</i></b>			
Tensile Strength at Yield	11	MPa	ASTM D638
Tensile Strength at Break	28	MPa	ASTM D638
Elongation at Break	790	%	ASTM D638
Flexural Modulus	310	MPa	ASTM D790
Durometer Hardness	52	Shore D	ASTM D2240
Notched Izod Impact Strength	440	J/m	ASTM D256

## Processing Condition :

The recommended temperature setting is in the range of 160 - 180 °C for extruder and 170 - 190 °C for die zone.

**Note :** Properties reported here are typical values of the product, not to be considered as specifications.

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