LL7410D

Linear Low Density Polyethylene Resin

Special Characteristics : InnoPlus LL7410D resin is a linear low density polyethylene with butene comonomers, with high content of slip and antiblock. This grade offers the excellent machinability on conversion lines. Films extruded from InnoPlus LL7410D have high tensile strength, elongation, good toughness and outstanding puncture strength. It is available for tubular blown film processing.

Typical Applications: InnoPlus LL7410D is recommended for producing general purpose films, liners, food packaging, heavy duty and agricultural films.

Additives : Slip 800 ppm and antiblock 4000 ppm

Typical Properties :

Properties	LL7410D	Unit	Test Method
Physical Properties (Based on pellets and press-molded sheet)			
Melt Flow Rate (190 °C, 2.16 kg)	1.0	g/10 min	ASTM D1238
Density	0.921	g/cm^3	ASTM D792
Melting Temperature	121	°C	ASTM D3418
Vicat Softening Point	100	°C	ASTM D1525
Film Properties* (Based on blown film)			
Tensile Strength at Break (MD/TD)	35 / 30	MPa	ASTM D882
Elongation at Break (MD/TD)	700 / 850	%	ASTM D882
Tensile Modulus, 1% Secant (MD/TD)	225 / 240	MPa	ASTM D882
Dart Impact Strength	105	g	ASTM D1709
Tear Strength (MD/TD)	150 / 300	g	ASTM D1922
Haze	20	%	ASTM D1003
Gloss (45°)	30	-	ASTM D2457

* Film made on blown film line at blow up ratio 2.5. Gloss (45°) obtained from 40 microns film while other film properties obtained from 25 microns film.

Recommendation :

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

FDA Statement :

Food and Drug Administration US FDA 21 CFR 177.1520 and Commission Regulation (EU) 10/2011. More compliance regulations and standards that related to the product shall be exhibited in Product Regulatory Certificate (PRC) document.