LL7428A

Linear Low Density Polyethylene Resin

Special Characteristics : InnoPlus LL7428A resin is a linear low density polyethylene with butene comonomers, without slip and antiblock. This grade offers an excellent processing performance for cast film process. Films extruded from InnoPlus LL7428A have high tensile and good toughness properties. It can be used for blending with other polyethylene types, such as HDPE and LDPE.

Typical Applications : InnoPlus LL7428A is recommended for producing the stretch films, liners, industrial bags, food packaging and general purpose films.

Typical Properties :

Properties	InnoPlus LL7428A	Unit	Test Method
Physical Properties			
Melt Index (190 °C, 2.16 kg)	2.8	g/10 min	ASTM D1238
Density	0.918	g/cm^3	ASTM D792
Melting Point	121	°C	ASTM D3418
Vicat Softening Point	95	°C	ASTM D1525
*Film Properties**			
Tensile Strength at Break (MD/TD)	30 / 23	MPa	ASTM D882
Elongation at Break (MD/TD)	600 / 800	%	ASTM D882
Tensile Modulus, 1% Secant (MD/TD)	200 / 200	MPa	ASTM D882
Dart Impact Strength	90	g	ASTM D1709
Tear Strength (MD/TD)	100 / 300	g	ASTM D1922
Haze	15	%	ASTM D1003
Gloss (45°)	45	-	ASTM D2457

** film properties obtained from 25 microns film which was blown film extruded at blow up ratio 2*

Processing Condition :

The recommended temperature setting is in the range of

- 160 - 180 °C for extruder and 170 - 190 °C for die zone. (blown film)
- 210 - 270 °C for extruder and 260 - 270 °C for die zone. (cast film)