LL7420A

Linear Low Density Polyethylene Resin

Special Characteristics: InnoPlus LL7420A is a linear low density polyethylene with butene comonomers without slip and antiblock. This grade offers an outstanding excellent draw down in both blown and cast film processing. Films extruded from InnoPlus LL7420A have high tensile, gloss and good toughness properties. It can be used for blending with other polyethylene types, such as HDPE and LDPE.

Typical Applications: InnoPlus LL7420A is recommended for producing the stretch films, liners, industrial bags, refuse sacks and garbage bags.

Additives: No Slip and No Antiblock

Typical Properties:

Properties	LL7420A		Unit	Test Method
Physical Properties (Based on pellets and press-molded sheet)				
Melt Index (190 °C, 2.16 kg)	2.0	2.0	g/10 min	ASTM D1238
Density	0.918	0.918	g/cm^3	ASTM D792
Melting Temperature	121	121	°C	ASTM D3418
Vicat Softening Point	97	97	°C	ASTM D1525
Film Properties	**Based on cast film***	**Based on blown film****		
Tensile Strength at Break (MD/TD)	40 / 25	31 / 28	MPa	ASTM D882
Elongation at Break (MD/TD)	490 / 720	790 / 885	%	ASTM D882
Tensile Modulus, 1% Secant (MD/TD)	190 / 200	230 / 270	MPa	ASTM D882
Dart Impact Strength	79	88	g	ASTM D1709
Tear Strength (MD/TD)	60 / 340	120 / 280	g	ASTM D1922
Haze	2	17	%	ASTM D1003
Gloss (45°)	92	31	-	ASTM D2457

** Film made on cast film line. Film properties obtained from 25 microns film.*

***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.

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