

LL7835A

Metallocene Linear Low Density Polyethylene Resin

Special Characteristics : InnoPlus LL7835A is a metallocene polyethylene with hexene comonomers, without slip and antiblock. This grade is a high performance grade which offer an outstanding mechanical properties and down-gauging. Films extruded from InnoPlus LL7835A have an excellent tensile and dart impact strength properties. It is suitable for both cast mono / multilayer and blown film.

Typical Applications : InnoPlus LL7835A is recommended for producing the heavy duty films, cast stretch films, liners.

Additives : No Slip and No Antiblock

Typical Properties :

Properties	LL7835A		Unit	Test Method
Physical Properties (Based on pellets and press-molded sheet)				
Melt Index (190 °C, 2.16 kg)	3.5	3.5	g/10 min	ASTM D1238
Density	0.920	0.920	g/cm ³	ASTM D792
Melting Temperature	118	118	°C	ASTM D3418
Vicat Softening Point	105	105	°C	ASTM D1525

Film Properties	Based on cast film*	Based on blown film**		
Tensile Strength at Break (MD/TD)	61 / 43	45 / 40	MPa	ASTM D882
Elongation at Break (MD/TD)	610 / 630	850 / 900	%	ASTM D882
Tensile Modulus, 1% Secant (MD/TD)	185 / 200	230 / 250	MPa	ASTM D882
Dart Impact Strength	200	140	g	ASTM D1709
Tear Strength (MD/TD)	210 / 400	300 / 400	g	ASTM D1922
Haze	3.9	19	%	ASTM D1003
Gloss (45°)	81	27	-	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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Note : Properties reported here are typical values of the product, not to be considered as specifications.

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