

LL7810A

Linear Low Density Polyethylene Resin

Special Characteristics : InnoPlus LL7810A resin 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 LL7810A have an excellent tensile and dart impact strength properties. It is suitable for both blown film and cast film processing.

Typical Applications : InnoPlus LL7810A is recommended for producing heavy duty films, stretch films, lamination films, liners, food packaging, multi-layer packaging film and freezer packaging films.

Typical Properties :

Properties	InnoPlus LL7810A	Unit	Test Method
<i>Physical Properties</i>			
Melt Index (190 °C, 2.16 kg)	1.0	g/10 min	ASTM D1238
Density	0.918	g/cm ³	ASTM D792
Melting Point	122	°C	ASTM D3418
Vicat Softening Point	106	°C	ASTM D1525
<i>Film Properties*</i>			
Tensile Strength at Break (MD/TD)	50 / 50	MPa	ASTM D882
Elongation at Break (MD/TD)	700 / 800	%	ASTM D882
Tensile Modulus, 1% Secant (MD/TD)	200 / 230	MPa	ASTM D882
Dart Impact Strength	650	g	ASTM D1709
Tear Strength (MD/TD)	300 / 400	g	ASTM D1922
Haze	13	%	ASTM D1003
Gloss (45°)	35	-	ASTM D2457
<i>* film properties obtained from 25 microns film which was blown film extruded at blow up ratio 2.5</i>			

Processing Condition :

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