

LL7810D

Linear Low Density Polyethylene Resin

Special Characteristics : InnoPlus LL7810D resin is a metallocene polyethylene with hexene comonomers, with high content of slip and antiblock. This grade is a high performance grade which offer an outstanding mechanical properties and down-gauging. Films extruded from InnoPlus LL7810D have an excellent tensile strength properties. It is suitable for both blown film and cast film processing.

Typical Applications : InnoPlus LL7810D is recommended for producing heavy duty films, lines, lamination films, food packaging, multi-layer packaging film and freezer packaging films.

Typical Properties :

Properties	InnoPlus LL7810D	Unit	Test Method
<i>Physical Properties</i>			
Melt Index (190 °C, 2.16 kg)	1.0	g/10 min	ASTM D1238
Density	0.920	g/cm ³	ASTM D792
Melting Point	120	°C	ASTM D3418
Vicat Softening Point	107	°C	ASTM D1525
<i>Film Properties*</i>			
Tensile Strength at Break (MD/TD)	54 / 54	MPa	ASTM D882
Elongation at Break (MD/TD)	600 / 710	%	ASTM D882
Tensile Modulus, 1% Secant (MD/TD)	230 / 290	MPa	ASTM D882
Tear Strength (MD/TD)	300 / 400	g	ASTM D1922
Dart Impact Strength	> 423	g	ASTM D1709
Haze	15	%	ASTM D1003
Gloss (45°)	49	-	ASTM D2457

* film properties obtained from 25 microns film which was blown film extruded at blow up ratio 2.5

Processing Condition :

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

Note : Properties reported here are typical values of the product, not to be considered as specifications.

PTT Global Chemical makes no representations as to the accuracy or completeness of the information contained herein.