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
Physical Properties			
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
*Film Properties**			
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)	130 / 175	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.