LL7810D

Metallocene 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	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
Dart Impact Strength	> 423	g	ASTM D1709
Tear Strength (MD/TD)	300 / 400	g	ASTM D1922
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.

FDA Statement :

mLLDPE under the brand InnoPlus complies with U.S. FDA 21 CFR 177.1520 regulation for polyethylene used in articles that contact food except for articles used for packaging or holding food during cooking.

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