

LL7810D2W

Metallocene Linear Low Density Polyethylene Resin

Special Characteristics: InnoPlus LL7810D2W metallocene linear low density polyethylene with hexene comonomers, with slip and antiblock. This grade is a high performance grade which offer an outstanding toughness and impact properties along with good heat sealing performance and low seal initiation. It is suitable for both blown mono and multilayer film.

Typical Applications: InnoPlus LL7810D2W is recommended for lamination films, food packaging, multilayer packaging film, stand up pouches

Additives : Slip 1000 ppm and Antiblock 1500 ppm

Typical Properties:

Properties	LL7810D2W	Unit	Test Method
Physical Properties (Based on pellets and press-molded sheet)			
Melt Index (190 °C, 2.16 kg)	1	g/10 min	ASTM D1238
Density	0.918	g/cm ³	ASTM D792
Melting Temperature	120	°C	ASTM D3418
Vicat Softening Point	103	°C	ASTM D1525
Film Properties* (Based on blown film)			
Tensile Strength at Break (MD/TD)	55 / 40	MPa	ASTM D882
Elongation at Break (MD/TD)	625 / 570	%	ASTM D882
Tensile Modulus, 1% Secant (MD/TD)	220 / 220	MPa	ASTM D882
Dart Impact Strength	560	g	ASTM D1709
Tear Strength (MD/TD)	110 / 125	g	ASTM D1922
Puncture Energy	35	J	In house method
Haze	12	%	ASTM D1003
Gloss (45°)	50	-	ASTM D2457

**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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