

LL7810AW

Metallocene Polyethylene Resin

Special Characteristics: InnoPlus LL7810AW is a metallocene polyethylene (mPE) with hexene comonomers. This high-performance grade offers excellent toughness and impact strength, combined with good heat-sealing performance and a low seal initiation temperature. It is suitable for both blown monolayer and multi-layer film applications.

Typical Applications: InnoPlus LL7810AW is recommended for lamination films, food packaging, multilayer packaging film, stand up pouches

Typical Properties:

Properties	LL7810AW	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	0.915	g/cm ³	ASTM D792
Melting Temperature	119	°C	ASTM D3418
Vicat Softening Point	104	°C	ASTM D1525

Film Properties* (Based on blown film)

Tensile Strength at Break (MD/TD)	55 / 45	MPa	ASTM D882
Elongation at Break (MD/TD)	630 / 620	%	ASTM D882
Tensile Modulus, 1% Secant (MD/TD)	230 / 240	MPa	ASTM D882
Dart Impact Strength	1000	g	ASTM D1709
Tear Strength (MD/TD)	240 / 290	g	ASTM D1922
Haze	20	%	ASTM D1003
Gloss (45°)	30	-	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.