

# LL7838AV

## Metallocene Polyethylene Resin

**Special Characteristics:** InnoPlus LL7838AV is a metallocene polyethylene (mPE) with hexene comonomers, without slip and antiblock. This grade is a high-performance grade which offer an outstanding mechanical properties and down-gauging. Films extruded from InnoPlus LL7838AV have an excellent toughness, impact strength, puncture properties and enhance sealing caulk ability of lower MI material, it is suitable for both cast monolayer and multilayer and blown film.

**Typical Applications:** InnoPlus LL7838AV is recommended for producing the cast film, cast stretch film, form fill & seal packaging, heavy duty films and liners.

Properties	LL7838AV		Unit	Test Method
<b>Physical Properties</b>				
	Cast film*	Blown film**		
Melt Index (190 °C, 2.16 kg)	3.8	3.8	g/10 min	ASTM D1238
Density	0.912	0.912	g/cm <sup>3</sup>	ASTM D792
Melting Temperature	113	113	°C	ASTM D3418
Vicat Softening Point	95	95	°C	ASTM D1525
<b>Film Properties</b>				
Tensile Strength at Break (MD/TD)	35 / 30	50 / 50	MPa	ASTM D882
Elongation at Break (MD/TD)	430 / 500	700 / 730	%	ASTM D882
Tensile Modulus, 1% Secant (MD/TD)	35 / 30	180 / 175	MPa	ASTM D882
Dart Impact Strength	620	760	g	ASTM D1709
Tear Strength (MD/TD)	280 / 480	380 / 440	g	ASTM D1922
Haze	2.1	14	%	ASTM D1003
Gloss (45°)	92	50	-	ASTM D2457

\* Film made on cast film line. Film properties obtained from 25 microns film.

\*\*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.