LL7810AV / LL7810D2V

Metallocene Polyethylene Resin

Special Characteristics: InnoPlus LL7810AV and LL7810D2V are metallocene polyethylene (mPE) with hexene comonomers. These high-performance grades provide outstanding toughness and impact strength, along with excellent heat-sealing performance and a low seal initiation temperature. Both grades are suitable for blown monolayer and multi-layer film applications.

Typical Applications: InnoPlus LL7810AV and LL7810D2V are recommended for lamination films, food packaging, multilayer packaging film, stand up pouches.

Typical Properties:

Properties	LL7810AV / LL7810D2V	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	0.912	g/cm^3	ASTM D792
Melting Temperature	116	°C	ASTM D3418
Vicat Softening Point	95	°C	ASTM D1525
Film Properties* (Based on blown film)			
Tensile Strength at Break (MD/TD)	60 / 50	MPa	ASTM D882
Elongation at Break (MD/TD)	620 / 600	%	ASTM D882
Tensile Modulus, 1% Secant (MD/TD)	180 / 180	MPa	ASTM D882
Dart Impact Strength	1500	g	ASTM D1709
Tear Strength (MD/TD)	280 / 300	g	ASTM D1922
Haze	17	%	ASTM D1003
Gloss (45°)	45	-	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.*

The physical and film properties are based on polymer without slip and antiblock additives.

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.