LL7905AO

Metallocene Polyethylene Resin

Special Characteristics : InnoPlus LL7905AO is easy processing metallocene polyethylene (mPE) with hexene comonomer designed for use in flexible packaging applications. This grade offers superior stiffness and processability for high-performance film applications, while balancing mechanical properties, clarity and shrink performance to serve various types of flexible packaging.

Typical Applications : InnoPlus LL7905AO is recommended for food and non-food packaging, shrink films, heavy duty bag, agricultural films and extrusion tube.

Additives : No Slip and No Antiblock

Typical Properties :

Properties	LL7905AO	Unit	Test Method
Physical Properties (Based on pellets and press-molded sheet)			
Melt Flow Rate (190 °C, 2.16 kg)	0.5	g/10 min	ASTM D1238
Density	0.935	g/cm^3	ASTM D792
Melting Temperature	127	°C	ASTM D3418
Vicat Softening Point	119	°C	ASTM D1525
Film Properties* (Based on blown film)			
Tensile Strength at Break (MD/TD)	45/ 50	MPa	ASTM D882
Elongation at Break (MD/TD)	660 / 810	%	ASTM D882
Tensile Modulus, 1% Secant (MD/TD)	510 / 550	MPa	ASTM D882
Dart Impact Strength	110	g	ASTM D1709
Tear Strength (MD/TD)	20 / 160	g	ASTM D1922
Haze	15	%	ASTM D1003
Gloss (45°)	42	-	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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