LL7820D

Metallocene Polyethylene Resin

Special Characteristics: InnoPlus LL7820D is a metallocene polyethylene (mPE) with hexene comonomers, with slip and antiblock contents. This grade is a high performance grade which offers an outstanding mechanical properties and down-gauging. Films extruded from InnoPlus LL7820D has an excellent tensile and dart impact strength properties with good processability. It is suitable for both blown film and cast film processing.

Typical Applications: InnoPlus LL7820D is recommended for producing heavy duty films, lamination films, liners, food packaging, multi-layer packaging film and freezer packaging films.

Additives: Slip 800 ppm and Antiblock 800 ppm

Typical Properties:

Properties	LL7820D	Unit	Test Method
Physical Properties (Based on pellets and press-molded sheet)			
Melt Flow Rate (190 °C, 2.16 kg)	2.0	g/10 min	ASTM D1238
Density	0.920	g/cm^3	ASTM D792
Melting Temperature	121	°C	ASTM D3418
Vicat Softening Point	105	°C	ASTM D1525
Film Properties* (Based on blown film)			
Tensile Strength at Break (MD/TD)	55 / 50	MPa	ASTM D882
Elongation at Break (MD/TD)	740 / 760	%	ASTM D882
Tensile Modulus, 1% Secant (MD/TD)	250 / 260	MPa	ASTM D882
Dart Impact Strength	700	g	ASTM D1709
Tear Strength (MD/TD)	360 / 430	g	ASTM D1922
Haze	30	%	ASTM D1003
Gloss (45°)	25	-	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.
GC makes no representations as to the accuracy or completeness of the information contained herein.

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