

LL7835A

Metallocene Linear Low Density Polyethylene Resin

Special Characteristics : InnoPlus LL7835A is a metallocene polyethylene 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 LL7835A have an excellent tensile and dart impact strength properties. It is suitable for both cast mono / multilayer and blown film.

Typical Applications : InnoPlus LL7835A is recommended for producing the heavy duty films, cast stretch films, liners.

Additives : No Slip and No Antiblock

Typical Properties :

| Properties | LL7835A | | Unit | Test Method |
|--|---------|-------|-------------------|-------------|
| Physical Properties (Based on pellets and press-molded sheet) | | | | |
| Melt Index (190 °C, 2.16 kg) | 3.5 | 3.5 | g/10 min | ASTM D1238 |
| Density | 0.920 | 0.920 | g/cm ³ | ASTM D792 |
| Melting Temperature | 118 | 118 | °C | ASTM D3418 |
| Vicat Softening Point | 105 | 105 | °C | ASTM D1525 |

| Film Properties | Based on cast film* | Based on blown film** | | |
|------------------------------------|---------------------|-----------------------|-----|------------|
| Tensile Strength at Break (MD/TD) | 61 / 43 | 45 / 40 | MPa | ASTM D882 |
| Elongation at Break (MD/TD) | 610 / 630 | 850 / 900 | % | ASTM D882 |
| Tensile Modulus, 1% Secant (MD/TD) | 185 / 200 | 230 / 250 | MPa | ASTM D882 |
| Dart Impact Strength | 200 | 140 | g | ASTM D1709 |
| Tear Strength (MD/TD) | 210 / 400 | 300 / 400 | g | ASTM D1922 |
| Haze | 3.9 | 19 | % | ASTM D1003 |
| Gloss (45°) | 81 | 27 | - | 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.

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Note : Properties reported here are typical values of the product, not to be considered as specifications.

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