

LL7910A

Linear Low Density Polyethylene Resin

Special Characteristics : InnoPlus LL7910A resin is a metallocene polyethylene with hexene comonomers, without slip and antiblock. This grade is an easy processing grade which offers an outstanding balance between processing and film properties. Films extruded from InnoPlus LL7910A have high tensile and dart Impact strength properties. It is suitable for both blown film and cast film processing.

Typical Applications : InnoPlus LL7910A is recommended for producing the heavy duty films, stretch films, shrink films, lamination films, liners, food packaging, multi-layer packaging films and freezer packaging films.

Typical Properties :

| Properties | InnoPlus LL7910A | Unit | Test Method |
|---|------------------|-------------------|-------------|
| <i>Physical Properties</i> | | | |
| Melt Index (190 °C, 2.16 kg) | 1.0 | g/10 min | ASTM D1238 |
| Density | 0.918 | g/cm ³ | ASTM D792 |
| Melting Point | 114 | °C | ASTM D3418 |
| Vicat Softening Point | 106 | °C | ASTM D1525 |
| <i>Film Properties*</i> | | | |
| Tensile Strength at Break (MD/TD) | 60 / 53 | MPa | ASTM D882 |
| Elongation at Break (MD/TD) | 490 / 675 | % | ASTM D882 |
| Tensile Modulus, 1% Secant (MD/TD) | 191 / 224 | MPa | ASTM D882 |
| Dart Impact Strength | 206 | g | ASTM D1709 |
| Tear Strength (MD/TD) | 250 / 450 | g | ASTM D1922 |
| Haze | 8 | % | ASTM D1003 |
| Gloss (45°) | 62 | - | ASTM D2457 |
| <i>* film properties obtained from 25 microns film which was blown film extruded at blow up ratio 2.5</i> | | | |

Processing Condition :

The recommended temperature setting is in the range of 160 - 180 °C for extruder and 170 - 190 °C for die zone.

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

PTT Global Chemical makes no representations as to the accuracy or completeness of the information contained herein.