# 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.



[HongKong] +852-69575415 [China GuangDong] +135-3858-6433 [China ShangHai] +188-1699-6168