

TAISOX 2110

Linear Low Density Polyethylene

Formosa Plastics Corporation

Message:

TAISOX 2110 is a linear low density polyethylene material. This product is available in North America, Europe or Asia Pacific region. The processing method is blow molded film.

The main features of TAISOX 2110 are:

Antiblock software

high strength

Good tear strength

Good sealing performance

Impact resistance

The typical application fields of TAISOX 2110 are: movies

| General Information | | | |
|---|------------------------------|-------------------|-------------|
| Additive | Moderate caking resistance | | |
| Features | Ultra-high impact resistance | | |
| | Low density | | |
| | High strength | | |
| | Good heat sealability | | |
| | Good tear strength | | |
| Moderate caking resistance | | | |
| Uses | Films | | |
| Forms | Particle | | |
| Processing Method | Blow film | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.918 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 1.0 | g/10 min | ASTM D1238 |
| Films | Nominal Value | Unit | Test Method |
| Film Thickness - Tested | 38 | µm | |
| secant modulus | | | ASTM D882 |
| 1% secant, MD: 38 µm, blown film | 157 | MPa | ASTM D882 |
| 1% secant, TD: 38 µm, blown film | 196 | MPa | ASTM D882 |
| Tensile Strength | | | ASTM D882 |
| MD: Yield, 38 µm, blown film | 9.81 | MPa | ASTM D882 |
| TD: Yield, 38 µm, blown film | 10.8 | MPa | ASTM D882 |
| MD: Broken, 38 µm, blown film | 49.0 | MPa | ASTM D882 |
| TD: Broken, 38 µm, blown film | 44.1 | MPa | ASTM D882 |
| Tensile Elongation | | | ASTM D882 |
| MD: Broken, 38 µm, blown film | 620 | % | ASTM D882 |
| TD: Broken, 38 µm, blown film | 810 | % | ASTM D882 |

| Dart Drop Impact (38 μm, Blown Film) | 610 | g | ASTM D1709 |
|--------------------------------------|---------------|------|-------------|
| Elmendorf Tear Strength | | | ASTM D1922 |
| MD: 38 μm, blown film | 460 | g | ASTM D1922 |
| TD: 38 μm, blown film | 760 | g | ASTM D1922 |
| Thermal | Nominal Value | Unit | Test Method |
| Brittleness Temperature | -70.0 | °C | ASTM D746 |
| Vicat Softening Temperature | 93.0 | °C | ASTM D1525 |
| Melting Temperature | 121 | °C | |
| Optical | Nominal Value | Unit | Test Method |
| Gloss (45°, 38.0 μm, Blown Film) | 51 | | ASTM D2457 |
| Clarity | 65.0 | | ASTM D1746 |
| Haze (38.0 μm, Blown Film) | 13 | % | ASTM D1003 |
| Additional Information | | | |

Blow Up Ratio: 2

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