

Polene LDPE D 2024

Low Density Polyethylene
TPI Polene Public Company Limited

Message:

Polene LDPE D 2024 is a Low Density Polyethylene material. It is available in Asia Pacific or North America for blown film, extrusion, or film extrusion. Important attributes of Polene LDPE D 2024 are:

- Good Aesthetics
- Good Processability
- Impact Resistant

Typical applications include:

- Packaging
- Agricultural
- Bags/Liners
- Bottles
- Film

| General Information | | | |
|---|---------------------------|-------------------|-------------|
| Features | Additive Free | | |
| | Good Processability | | |
| | High Impact Resistance | | |
| | Opticals | | |
| Uses | Agricultural Applications | | |
| | Bottles | | |
| | Cosmetic Packaging | | |
| | Film | | |
| | Food Packaging | | |
| | Heavy-duty Bags | | |
| | Packaging | | |
| | Shrink Wrap | | |
| Agency Ratings | FDA 21 CFR 177.1520 | | |
| | Blown Film | | |
| | Extrusion | | |
| Processing Method | Film Extrusion | | |
| | | | |
| | | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.922 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 0.70 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 53 | | DIN 53505 |
| Mechanical | Nominal Value | Unit | Test Method |

| | | | |
|-----------------------------|---------------|------|-------------|
| Tensile Strength | | | ASTM D638 |
| Yield | 12.0 | MPa | |
| Break | 18.0 | MPa | |
| Tensile Elongation (Break) | 650 | % | ASTM D638 |
| Films | Nominal Value | Unit | Test Method |
| Dart Drop Impact | 160 | g | ASTM D1709 |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | 96.0 | °C | ASTM D1525 |
| Optical | Nominal Value | Unit | Test Method |
| Gloss | 97 | | ASTM D2457 |
| Haze | 7.2 | % | ASTM D1003 |
| Extrusion | Nominal Value | Unit | |
| Melt Temperature | 170 to 210 | °C | |

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

