

## Total Finathene® LL 4010 FH 18 LLDPE film (discontinued \*\*)

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Blow Molding Grade

### Material Notes:

Linear low density polyethylene made by gas phase process for blown film applications. Advised temperature profile: 190 to 220°C. Information provided provided by Total Petrochemicals. Total Petrochemicals includes former Fina and Atofina plastics product lines.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Total-Finathene-LL-4010-FH-18-LLDPE-film-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Total-Finathene-LL-4010-FH-18-LLDPE-film-nbspdiscontinued-.php)

| Physical Properties | Metric                        | English                       | Comments           |
|---------------------|-------------------------------|-------------------------------|--------------------|
| Density             | 0.918 g/cc                    | 0.0332 lb/in <sup>3</sup>     | on fluff; ISO 1183 |
| Thickness           | 25.0 microns                  | 0.984 mil                     |                    |
| Melt Flow           | 1.0 g/10 min<br>@Load 2.16 kg | 1.0 g/10 min<br>@Load 4.76 lb | ISO 1133           |

| Mechanical Properties              | Metric    | English  | Comments        |
|------------------------------------|-----------|----------|-----------------|
| Film Tensile Strength at Yield, MD | 11.0 MPa  | 1600 psi | ISO 527         |
| Film Tensile Strength at Yield, TD | 11.0 MPa  | 1600 psi | ISO 527         |
| Film Elongation at Break, MD       | 600 %     | 600 %    | ISO 527         |
| Film Elongation at Break, TD       | 750 %     | 750 %    | ISO 527         |
| Secant Modulus, MD                 | 0.160 GPa | 23.2 ksi | ISO 5527        |
| Secant Modulus, TD                 | 0.170 GPa | 24.7 ksi | ISO 5527        |
| Dart Drop Test                     | 90.0 g    | 0.198 lb | 25μ; ISO 7765-1 |
| Film Tensile Strength at Break, MD | 40.0 MPa  | 5800 psi | ISO 527         |
| Film Tensile Strength at Break, TD | 30.0 MPa  | 4350 psi | ISO 527         |

| Thermal Properties | Metric | English | Comments    |
|--------------------|--------|---------|-------------|
| Melting Point      | 122 °C | 252 °F  | ISO 11357-3 |

| Optical Properties | Metric | English | Comments         |
|--------------------|--------|---------|------------------|
| Haze               | 12 %   | 12 %    | 25μ; ASTM D 1003 |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
|------------------------|-------|----------|

Descriptive Properties

Value This material conforms to both European and American Food contact regulations.

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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