

DuPont™ Sclairfilm® LX-1 LLDPE Film, Laminating, 38.1 µm Thickness (discontinued **)

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

Material Notes:

Data provided by DuPont Packaging Polymers. A linear low density polyethylene film with an outstanding combination of toughness and durability. LX has superior tensile strength, puncture strength, elongation and heat seal strength compared to other sealant films. LX is a high performance film ideal for lamination to other materials, such as nylon or polyester films. In converter combinations, LX is particularly suited for the vacuum packaging of processed meats, cheese, coffee, and frozen foods.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Sclairfilm-LX-1-LLDPE-Film-Laminating-381-m-Thickness-nbspdiscontinued-.php

| Physical Properties | Metric | English | Comments |
|-----------------------------|--------------------------------------|---|--|
| Density | 0.918 g/cc | 0.0332 lb/in ³ | |
| Moisture Vapor Transmission | 0.470 cc-mm/m ² -24hr-atm | 1.19 cc-mil/100 in ² -24hr-atm | ASTM E96 Procedure E |
| Water Vapor Transmission | 12.4 g/m ² /day | 0.799 g/100 in ² /day | ASTM E96 Procedure E |
| Oxygen Transmission | 236 cc-mm/m ² -24hr-atm | 599 cc-mil/100 in ² -24hr-atm | or 6200 cc/m ² -24hr-atm for the film. ASTM D3985 |

| Mechanical Properties | Metric | English | Comments |
|------------------------------------|--------------|-----------|----------------------|
| Film Elongation at Break, MD | 600 % | 600 % | ASTM D882 |
| Tensile Modulus | 0.170 GPa | 24.7 ksi | ASTM D882 |
| Dart Drop Test | 125 g | 0.276 lb | |
| Seal Strength | 1800 g/25 mm | 1800 g/in | Sentinel Sealer Test |
| Film Tensile Strength at Break, MD | 41.0 MPa | 5950 psi | ASTM D882 |

| Optical Properties | Metric | English | Comments |
|--------------------|--------|---------|-----------------|
| Haze | 8.0 % | 8.0 % | ASTM D1003 |
| Gloss | 90 % | 90 % | 20°; ASTM D2457 |

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