# DuPont™ Dartek® O-401 Nylon 6,6 Oriented Film, 15 µm Thickness (discontinued **)

**Category :** Polymer , Film , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Film

**Material Notes:**

Data provided by DuPont Packaging Polymers.A machine direction oriented nylon type 6,6 film. Many of the properties of nylon 6,6 film are improved upon orientation, but particularly the overall toughness and gas permeability. Provides excellent qualities to the converter which make it an ideal film for printing and laminating. Its barrier properties and stiffness make it an excellent choice for a variety of packaging end uses such as snacks, processed meat, cheese, condiments.

Order this product through the following link:
http://www.lookpolymers.com/polymer_DuPont-Dartek-O-401-Nylon-66-Oriented-Film-15-m-Thickness-nbspdiscontinued-.php

| Physical Properties | Metric | English | Comments |
|---|---|---|---|
| Density | 1.14 g/cc | 0.0412 lb/in³ | |
| Moisture Vapor Transmission | 2.18 cc-mm/m²-24hr-atm | 5.54 cc-mil/100 in²-24hr-atm | ASTM E398-70 |
| Water Vapor Transmission | 145 g/m²/day | 9.34 g/100 in²/day | ASTM E398-70 |
| Oxygen Transmission | 0.590 cc-mm/m²-24hr-atm | 1.50 cc-mil/100 in²-24hr-atm | or 39 cc/m²-24hr-atm for the film at 23°C, 0% RH. ASTM D1434-66 |

| Mechanical Properties | Metric | English | Comments |
|---|---|---|---|
| Film Elongation at Break, MD | 50 % | 50 % | ASTM D882 |
| Film Elongation at Break, TD | 250 % | 250 % | ASTM D882 |
| Secant Modulus, MD | 2.26 GPa | 328 ksi | ASTM D882 |
| Secant Modulus, TD | 2.26 GPa | 328 ksi | ASTM D882 |
| Elmendorf Tear Strength, MD | 3.00 g/micron | 76.2 g/mil | ASTM D1922-67 |
| Elmendorf Tear Strength, TD | 5.00 g/micron | 127 g/mil | ASTM D1922-67 |
| Film Tensile Strength at Break, MD | 240 MPa | 34800 psi | ASTM D882 |
| Film Tensile Strength at Break, TD | 17.0 MPa | 2470 psi | ASTM D882 |

| Optical Properties | Metric | English | Comments |
|---|---|---|---|
| Haze | 1.0 % | 1.0 % | |
| Gloss | 150 % | 150 % | |

## Contact Songhan Plastic Technology Co.,Ltd.

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