

## DuPont™ Dartek® B-601 Nylon 6,6 Barrier Film, 25 μm Thickness (discontinued \*\*)

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

### Material Notes:

Data provided by DuPont Packaging Polymers. A strong transparent nylon type 6,6 film which has a PVDC coating applied to one side for enhanced barrier to oxygen, moisture, grease and odor. Can be printed, laminated, or extrusion coated. In converter combinations, it can be used for any packaging or industrial end use requiring high barrier properties.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Dartek-B-601-Nylon-66-Barrier-Film-25-m-Thickness-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_DuPont-Dartek-B-601-Nylon-66-Barrier-Film-25-m-Thickness-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in <sup>3</sup>	
Moisture Vapor Transmission	0.230 cc-mm/m <sup>2</sup> -24hr-atm @Temperature 38.0 °C	0.584 cc-mil/100 in <sup>2</sup> -24hr-atm @Temperature 100 °F	90% RH; ASTM F-372
Water Vapor Transmission	9.00 g/m <sup>2</sup> /day @Temperature 38.0 °C	0.580 g/100 in <sup>2</sup> /day @Temperature 100 °F	90% RH; ASTM F-372
Oxygen Transmission	0.190 cc-mm/m <sup>2</sup> -24hr-atm	0.483 cc-mil/100 in <sup>2</sup> -24hr-atm	or 7.7 cc/m <sup>2</sup> -24hr-atm for the film at 23°C, 0% RH. ASTM D1434-66

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	300 %	300 %	ASTM D882-64T
Film Elongation at Break, TD	300 %	300 %	ASTM D882-64T
Secant Modulus, MD	0.690 GPa	100 ksi	ASTM D882
Secant Modulus, TD	0.690 GPa	100 ksi	ASTM D882
Coefficient of Friction, Dynamic	0.45	0.45	film to coating; ASTM D1894-63
Elmendorf Tear Strength, MD	1.40 g/micron	35.6 g/mil	ASTM D1922-67
Elmendorf Tear Strength, TD	1.20 g/micron	30.5 g/mil	ASTM D1922-67
Dart Drop Test	600 g	1.32 lb	Impact Strength, ASTM D1709-62T
Film Tensile Strength at Break, MD	62.0 MPa	8990 psi	ASTM D882
Film Tensile Strength at Break, TD	62.0 MPa	8990 psi	ASTM D882

Optical Properties	Metric	English	Comments
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<small>Haze</small> Optical Properties	<small>1.5 %</small> Metric	<small>1.5 %</small> English	Comments
Gloss	150 %	150 %	
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

## Contact Songhan Plastic Technology Co.,Ltd.

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