

DuPont™ Dartek® F-101 Nylon 6,6 Forming Film, 25 µm Thickness (discontinued **)

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

Material Notes:

Data provided by DuPont Packaging Polymers. A cast nylon film made from type 6,6 polymer - the condensation product of adipic acid and hexamethylen diamine. It contains all the excellent properties historically found in Dartek®. Can be printed, laminated or extrusion coated. In converter combinations it may be used in any packaging end use which requires thermoforming, be it by vacuum, compressed air or mechanical means.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Dartek-F-101-Nylon-66-Forming-Film-25-m-Thickness-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	
Moisture Vapor Transmission	7.38 cc-mm/m ² -24hr-atm @Temperature 23.0 °C	18.7 cc-mil/100 in ² -24hr-atm @Temperature 73.4 °F	90% RH; ASTM E398-70
Water Vapor Transmission	295 g/m ² /day @Temperature 23.0 °C	19.0 g/100 in ² /day @Temperature 73.4 °F	90% RH; ASTM E398-70
Oxygen Transmission	1.40 cc-mm/m ² -24hr-atm	3.56 cc-mil/100 in ² -24hr-atm	or 54 cc/m ² -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 film; ASTM D1894-90
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	65.0 MPa	9430 psi	ASTM D882
Film Tensile Strength at Break, TD	65.0 MPa	9430 psi	ASTM D882

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

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