

DuPont™ Dartek® N-201 Nylon 6,6 Non-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 nylon film made from type 6,6 polymer - the condensation product of adipic acid and hexamethylene diamine. Primarily formulated for pouch and primal bag applications and is not recommended, nor guaranteed for thermoforming. However, it does provide barrier to oils, greases and odors, has low permeability to oxygen and good overall physical properties.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Dartek-N-201-Nylon-66-Non-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	200 %	200 %	ASTM D882-64T
Film Elongation at Break, TD	200 %	200 %	ASTM D882-64T
Secant Modulus, MD	0.620 GPa	89.9 ksi	ASTM D882
Secant Modulus, TD	0.620 GPa	89.9 ksi	ASTM D882
Elmendorf Tear Strength, MD	1.00 g/micron	25.4 g/mil	ASTM D1922-67
Elmendorf Tear Strength, TD	0.800 g/micron	20.3 g/mil	ASTM D1922-67
Dart Drop Test	400 g	0.882 lb	Impact Strength, ASTM D1709-62T
Film Tensile Strength at Break, MD	52.0 MPa	7540 psi	ASTM D882
Film Tensile Strength at Break, TD	48.0 MPa	6960 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	8.0 %	8.0 %	

Optical Properties	Metric	English	Comments
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