

DuPont™ Dartek® UF-410 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 monoaxially oriented nylon 6,6 film with good "slip" characteristics, which ensure excellent machinability/runnability even at high relative humidity conditions. It exhibits superior overall toughness and strength; has excellent gas barrier properties. Particularly suitable for VFFS applications such as shredded cheese, condiments, coffee, etc. It can be printed, laminated, extrusion coated, and metallized.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Dartek-UF-410-Nylon-66-Oriented-Film-15-m-Thickness-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	
Moisture Vapor Transmission	2.18 cc-mm/m ² -24hr-atm	5.54 cc-mil/100 in ² -24hr-atm	ASTM E398-70
Water Vapor Transmission	145 g/m ² /day	9.34 g/100 in ² /day	ASTM E398-70
Oxygen Transmission	0.590 cc-mm/m ² -24hr-atm	1.50 cc-mil/100 in ² -24hr-atm	or 39 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	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	1.93 GPa	280 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	3.0 %	3.0 %	
Gloss	140 %	140 %	

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