

DuPont™ Dartek® SF-502 Nylon 6,6 Super Formable Film, 76 µm Thickness (discontinued **)

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

Material Notes:

Data provided by DuPont Packaging Polymers. The SF (Super Formable) films are modified blends of nylon 6,6 which enhance the thermoforming characteristic of the Dartek® F series of films. Can be used for thermoforming applications where deep draw depths or tight product conformation is required. The heat memory of SF-502 makes it suitable for cook-in applications. It can be printed, laminated or extrusion coated.

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Dartek-SF-502-Nylon-66-Super-Formable-Film-76-m-Thickness-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	
Oxygen Transmission	3.60 cc-mm/m ² -24hr-atm	9.14 cc-mil/100 in ² -24hr-atm	or 47 cc/m ² -24hr-atm for the film at 23°C, 0% RH. ASTM D1434-66

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	45.0 MPa	6530 psi	ASTM D882
Film Tensile Strength at Yield, TD	45.0 MPa	6530 psi	ASTM D882
Film Elongation at Break, MD	370 %	370 %	ASTM D882
Film Elongation at Break, TD	400 %	400 %	ASTM D882
Secant Modulus, MD	0.965 GPa	140 ksi	ASTM D882
Secant Modulus, TD	0.965 GPa	140 ksi	ASTM D882
Elmendorf Tear Strength, MD	1.80 g/micron	45.7 g/mil	ASTM D1922-67
Elmendorf Tear Strength, TD	2.20 g/micron	55.9 g/mil	ASTM D1922-67
Film Tensile Strength at Break, MD	79.0 MPa	11500 psi	ASTM D882
Film Tensile Strength at Break, TD	76.0 MPa	11000 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	0.50 %	0.50 %	
Gloss	150 %	150 %	

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