

B602A DARTEK® Film Performance Films

Product Description

DARTEK® B602A is a strong transparent nylon 6,6 type film which has a PVdC coating applied to one side for enhanced barrier to oxygen, moisture, grease or odour. B602A is specially formulated for use in high humidity applications. Because the base sheet is from the DARTEK® F series, the coated film inherits many excellent properties such as high heat resistance, superior optics and good thermoforming characteristics.

Typical Applications

DARTEK® B602A 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. B602A can be easily thermoformed for assorted shapes and products such as meats and cheeses.

Key Features

- High oxygen gas barrier and water vapour transfer rate (WVTR) barrier
- Grease Resistant
- Good clarity

Availability

Can be supplied from 10 inches to 50 inches (254 mm to 1270 mm) in the gauges shown below.

Please note: Additional gauges may also be available. Please speak with one of our Customer Service Representatives or your Account Manager for further information.

Available Uncoated Base Dartek® F Films - Gauge and Yields

μ	m ² /kg	mils	in ² /lb
25	34.78	0.98	24,506
32	27.17	1.26	19,145
38	22.88	1.50	16,122
51	17.05	2.01	12,013
76	11.44	2.99	8,061
102	8.53	4.02	6,006

Typical Coated Film - Gauge and Yields

μ	m ² /kg	mils	in ² /lb
28	29.73	1.09	20,900
35	24.51	1.36	17,230
Other gauges available			

CONTACT

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 UK Site: +44 1978 660241, Transcontinental AC, Ash Road North, Wrexham Industrial Estate, Wrexham, LL13 9UF
 USA Site: +1 704 847 9171, Transcontinental AC, 700 Crestdale Road, Matthews, NC 28105

TECHNICAL DATASHEET



Standard Put-Ups for 1.09 mil / 28 micron Coated Film

Metric			
Diameter		Gauge in Microns - Approx. Length per Roll in Meters	
I.D. (mm)	O.D. (mm)	kg/mm of width	28 <input type="checkbox"/>
152	590	0.290	8,610

Imperial			
Diameter		Gauge in Mils - Approx. Length per Roll in Feet	
I.D. (in)	O.D. (in)	lbs/in of width	1.09 mils
6	23.25"	16.22	28,250

Typical Values for 1.09 mil / 28 micron Coated Film

Property	Test Method	Imperial		Metric	
		Units	Value s	Units	Values
Gauge		mils	1.09	<input type="checkbox"/> (microns)	27.7
Yield / Basis Weight		in ² /lb	20,900	g/m ²	33.65
Ultimate Tensile Strength - MD	ASTM D-882	lbs/in	17.2	gf/cm	3,070
Ultimate Tensile Strength - TD	ASTM D-882	lbs/in	14.8	gf/cm	2,640
Ultimate Tensile - MD	ASTM D-882	lbs/in ²	16,000	gf/cm ²	1,125,000
Ultimate Tensile - TD	ASTM D-882	lbs/in ²	13,400	gf/cm ²	940,000
Yield Load - MD	ASTM D-882	lbs/in	7.6	gf/cm	1,360
Yield Load - TD	ASTM D-882	lbs/in	7.0	gf/cm	1,250
Break Elongation - MD	ASTM D-882	%	375	%	375
Break Elongation - TD	ASTM D-882	%	386	%	386
Tear Strength - MD (Graves - Initial)	ASTM D-1004	g/mil	595	g/μm	23.4
Tear Strength - TD (Graves - Initial)	ASTM D-1004	g/mil	640	g/μm	25.2
Tear Strength - MD (Elmendorf)	ASTM D-1922	g/mil	21	g/μm	0.83
Tear Strength - TD (Elmendorf)	ASTM D-1922	g/mil	33	g/μm	1.30
WVTR @ 37.8 °C / 90% RH	ASTM F-1249	g /100 in ² /24 hrs	0.27	g /m ² /24 hrs	4.16
O ₂ TR @ 22.8 °C / 0% RH	ASTM D3985	cc /100 in ² /24 hrs	0.26	cc /m ² /24 hrs	4.04

Complies with FDA regulation 21 CFR 177.1520© 3.1b which allows for its use in direct food contact applications.

The data listed here falls within the normal range of product properties and is believed to be accurate and reliable. However, they should not be used to establish specification limits nor used alone as the basis of design. This information is offered solely for your consideration, investigation and verification and is not to be construed as a warranty for which we assume legal reasonability. It is the customer's responsibility to be guided by his own tests and methods to ensure the quality of his product.

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