



GENERAL INFORMATION

Advantek ProFilm DX112A is a protective surface film designed to assure consistent, precise and repeatable wafer production yields. Utilizing NEPTCO, Inc.'s superior coating technology, DX112A encompasses Total Thickness Variation (TTV) control, expandable base film, and a special low-extractable release liner that reduces silicon residue by a significant margin.

- Specially formulated PVC film for unparalleled protection
- Coated with stable bond pressure sensitive adhesive
- Features expandable base film
- Results in consistent release of sawn die
- Film is transparent and untinted to help human and electronic vision die defect recognition

Advantek ProFilm™ DX112A

Construction

Advantek ProFilm DX112A is constructed in three layers per the following graphic:



Clarity

Advantek ProFilm DX112A is transparent and untinted in order to aid both human and electronic vision die defect recognition.

Configurations

Advantek ProFilm DX112A is available in a variety of configurations. Standard widths include 200mm, 230mm, 250mm, 275mm, 300mm, 330mm and 400mm. Rolls are provided in lengths of 100m, splice-free, on a 3" I.D. plastic core. Both custom widths and lengths may be available by special request. ProFilm DX112A rolls are polybag wrapped and individually boxed.

Shelf Life/Storage Conditions

Advantek ProFilm DX112A products should be stored in a climate controlled environment where conditions do not exceed 25°C (75°F). If stored as recommended, the product will yield a shelf life of 6 months from the date of manufacture found on the core label.



United States

Advantek, Inc.
5801 Clearwater Drive
Minnetonka, MN 55343
Tel 952-938-6800
Fax 952-938-1800

Advantek, Inc.
51 Morgan Drive

Norwood, MA 02062
Tel 781-551-9666
Fax 781-551-8630

Advantek Taping Systems
6839 Mowry Avenue
Newark, CA 94560
Tel 510-623-1877
Fax 510-623-1886

Advantek Taping Systems
10610 Metric Drive, Suite 169
Dallas, TX 75243
Tel 214-342-1555
Fax 214-342-1557

Germany

Advantek GmbH
Riegeler Str. 4D
D-79111 **Freiburg**
Germany
Tel 49-(0) 761-45546-0
Fax 49-(0) 761-45546-99

United Kingdom

Advantek UK Ltd.
McGregor House
Southbank Business Park
Kirkintilloch
Glasgow, Scotland G66 1XF
Tel 44-(0) 141-578-2231
Fax 44-(0) 141-578-2232

Taiwan

Advantek Taiwan, Inc.
No. 5, Wu-Chuan 6th Road
Wu-Ku Industrial Park
Taipei Hsien 10248
Taiwan, R.O.C.
Tel 886-2-2290-1789
Fax 886-2-2299-6850

China

Advantek, Inc. China
Room #501, Tian Lin Building
300, Tian Lin Road
Shanghai, China 200233
Tel 86-21-6485-1812

Singapore

Advantek Products (S) Pte Ltd.
7 Woodlands Terrace
Woodlands East Industrial Estate
Singapore 738432
Tel 65-67596800
Fax 65-67595800

Japan

Advantek Dy, Ltd.
17-11-3F, Kita-machi
Tokorozawa, Saitama
Japan 359-1113
Tel 81-42-939-1727
Fax 81-42-939-1728

Material Properties

Property	Typical Value	Test Method/Standard
Adhesive Strength	100g	ASTM D 1000
Tensile Strength	19.3 N/mm ² MD 22.0 N/mm ² TD	ASTM D 882
Elongation	> 175% MD > 350% TD	ASTM D 882
Thickness w/o release liner	112.5μ (4.5 mils)	ASTM D 1005
Temperature resistance	< 5 min. @ 50-60°C > 5 min. @ 40-45°C	

Note: The values presented for this product are typical laboratory data and may be changed without notice.

Material Ionics Data

Species	DX112X (ppm)
Fluoride	<0.025
Chloride	0.105
Bromide	<0.025
Nitrate	<0.025
Phosphate	<0.025
Sulfate	<0.025
Sodium	0.29
Ammonium	<0.025
Potassium	0.046
Magnesium	<0.02
Calcium	0.05

Note: the above is typical data and was measured by NEPTCO, Inc. and should not be used for any specification purposes.