



GENERAL INFORMATION

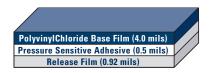
Advantek ProFilm DX112A is a protective surface film designed to assure consistent, precise and repeatable wafer production yields. Utilizing NEPTCO, Inc.'s superior coating technology, DX112A encompasses Total Thickness Variation (TTV) control, expandable base film, and a special low-extractable release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





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Material Properties

Property	Typical Value	Test Method/Standard
Adhesive Strength	100g	ASTM D 1000
Tensile Strength	19.3 N/mm² MD 22.0 N/mm² 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.

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