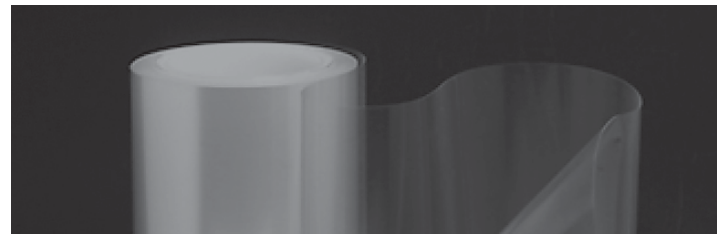




DICING TAPES

# ProFilm™ DU099H Ultraviolet Dicing Tape

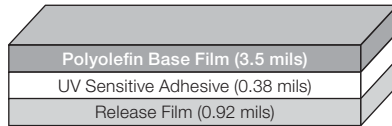


Advantek ProFilm™ DU099H is a protective surface film designed to assure consistent, precise and repeatable wafer production yields. Enhanced with superior ultraviolet adhesive coating technology, ProFilm™ DU099H features Total Thickness Variation (TTV) control, expandable base film, and a special low-extractable release liner to significantly reduce silicon residue.

- Specially formulated polyolefin film for unparalleled protection
- Coated with stable UV curable pressure-sensitive adhesive
- Features expandable chloride-free base film
- Easy die removal post UV light exposure
- Film minimizes or eliminates die rocking and other picking defects
- Film is transparent and untinted to help human and electronic vision die defect recognition

### Construction

Advantek ProFilm™ DU099H is constructed in three layers:



### Configurations

Advantek ProFilm™ DU099H is available in a variety of configurations. Standard widths include 200mm, 230mm, 250mm, 275mm, 300mm, 330mm and 400mm. Rolls are provided in splice-free lengths of 100m on a 3" I.D. plastic core. Both custom widths and lengths may be available by special request. ProFilm™ DU099H rolls are polybag wrapped and individually boxed.

### Shelf Life and Storage

Advantek ProFilm™ DU099H should be stored in a climate controlled environment where conditions do not exceed 27°C +/- 10° and 30% RH +/- 20%. This product is sensitive to UV light, so store away from heat and direct sunlight. If stored as recommended, the product will yield a shelf life of 12 months from the date of manufacture found on the core label.

Advantek ProFilm™ DU099H Material Properties

Property	Typical Value	Test Method/Standard
Adhesive Strength	250g min before UV (20 min.) 15g after UV1	ASM D 1000
Tensile Strength	15 N/mm <sup>2</sup> MD 9 N/mm <sup>2</sup> TD	ASTM D 882
Elongation	>600% MD >600% TD	ASTM D 882
Thickness w/o Release Liner	99µ (3.9 mils)	ASTM D 1005
Temperature Resistance	<5 min. @ 50-60°C >5 min. @ 40-45°C	

The values presented for this product are typical laboratory data and may be changed without notice.  
\* UV exposure of 300 mJ/cm<sup>2</sup>

Advantek ProFilm™ DU099H  
Material Ionics Data (ppm)

Fluoride	<0.025
Chloride	0.231
Bromide	<0.025
Nitrate	<0.025
Phosphate	<0.025
Sulfate	0.05
Sodium	0.459
Ammonium	<0.025
Potassium	0.056
Magnesium	<0.025
Calcium	0.131

The above is typical data and should not be used for any specification purposes.



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Packaging Reels	Pro	Ultra	Lite	Trimline		
Barrier Bags	DRYLOK®		STATLOK®			
Bands	PROBAND®		LOKBAND®			
Humidity Indicator Cards	1 Spot	3 Spot	4 Spot	6 Spot		
Desiccant	1/3 Unit	1/2 Unit	1 Unit	2 Unit	4 Unit	8 Unit
Dicing Tapes	UV Cured		Non UV Cured			

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