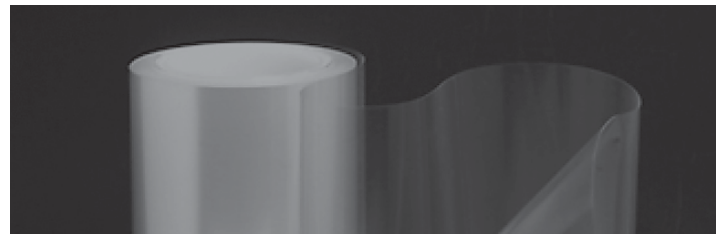




DICING TAPES

ProFilm™ DU310J Ultraviolet Dicing Tape

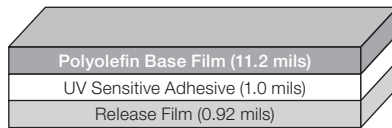


ProFilm™ DU310J is a protective surface film designed to assure consistent, precise and repeatable wafer production yields. Constructed with superior ultraviolet adhesive coating technology, ProFilm™ DU310J features Total Thickness Variation (TTV) control, expandable base film, and a special low-extractable 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™ DU310J is constructed in three layers:



Configurations

Advantek ProFilm™ DU310J is available in a variety of configurations. Standard widths include 200mm, 230mm, 250mm, 275mm, 300mm 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™ DU310J rolls are polybag wrapped and individually boxed.

Shelf Life and Storage

Advantek ProFilm™ DU310J dicing tape 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™ DU310J Material Properties

Property	Typical Value	Test Method/Standard
Adhesive Strength	1000g before UV 30g after UV	ASM D 1000
Bond Test	Mirror Polished Silicon Wafer	
UV Exposure	500 mJ/cm2 (recommended UV exposure)	
Peel Angle	180°	
Peel & Stretching Speed	300 mm/min.	

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

Advantek ProFilm™ DU310J 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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Embossed Carrier Tapes	SFT®	Complex Designs	Basic Designs	Interleaf Tapes		
Cover Tapes	Heat Activated	Pressure Sensitive				
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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