



ProFilm DU0310J 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

ProFilm™ DU0310J is constructed in three layers:

Polyolefin Base Film (11.2Mils)
UV Sensitive Adhesive (1.0Mils)
Release Film (0.92Mils)

CONFIGURATIONS

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

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.

ProFilm DU310J Material Properties

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

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/cm ² (recommended UV exposure)	-
Peel Angle	180°	-
Peel & Stretching Speed	300 mm/min.	-

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

DU310J Material Ionics Data										
Fluoride	Chloride	Bromide	Nitrate	Phosphate	Sulfate	Sodium	Ammonium	Potassium	Magnesium	Calcium
<0.025	0.231	<0.025	<0.025	<0.025	0.05	0.459	<0.025	0.056	<0.025	0.131