Acupaq
Part of Ant Group Ltd

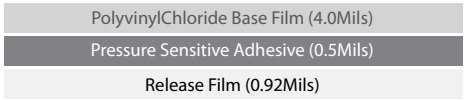
ProFilm DX112A Dicing Tape

A protective surface film, ProFilm™ DX112A helps ensure consistent, precise and repeatable wafer production yields through the use of superior coating technology. DX112A offers Total Thickness Variation (TTV) control, expandable base film and a special low-extractable release liner to significantly reduce silicon residue.

- 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 defect recognition

CONSTRUCTION

ProFilm™ DX112A is constructed in three layers:



CONFIGURATIONS

DX112A 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™ DX112A rolls are polybag wrapped and individually boxed.

SHELF LIFE AND STORAGE

ProFilm™ DX112A 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.

ProFilm DX112A 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	100g	ASM D 1000
Tensile Strength	19.3 N/mm[1] MD 22.0 N/mm[1] MD	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	-

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

DX112A Material Ionics Data										
Fluoride	Chloride	Bromide	Nitrate	Phosphate	Sulfate	Sodium	Ammonium	Potassium	Magnesium	Calcium
<0.025	0.105	<0.025	<0.025	<0.025	<0.025	0.29	<0.025	0.046	<0.02	0.05