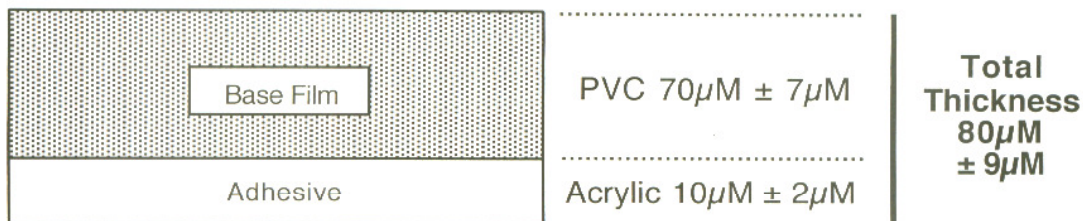


Ultron Systems, Inc. Adhesive Plastic Film P/N: 1007R

Application:

Silicon Release Agent-free uniform thickness medium tack adhesive film for direct lamination to the wafer backside. Suitable for use in wafer dicing operations. The base film is of PVC with an Acrylic adhesive. Film is supplied in 100-meter rolls without backing liner.

Film Construction:



Specifications:

Color

Blue

Adhesion

<u>Test Material</u>	<u>30min</u>	<u>1hr</u>	<u>2hr</u>	<u>4hr</u>	<u>8hr</u>	<u>24hr</u>
Stainless Steel	70	75	75	95	110	135
Silicon Wafer	76	79	82	101	115	130

* figures are in gm/25mm, 180° peeling angle @300mm/min speed

Elongation

(@300mm/min speed)

Vertical

min. 200%

Horizontal

min. 160%

Tensile Strength

(@300mm/min speed)

min. 4.0kg/25mm

min. 3.0kg/25mm

Unwinding Force

max. 150gm/25mm

* The above specifications are tested values. They are not absolute, guaranteed results. All specifications tested under JIS-Z-0237.

Ultron Systems, Inc.
Adhesive Plastic Film
Chemical Analysis
P/N: 1007R

Film**Adhesive**

Chemical	Result	Limit of Detection	Result	Limit of Detection
Aluminum (Al)	Not Detected	0.02 PPM	Not Detected	0.02 PPM
Barium (Ba)	Not Detected	0.5 PPM	Not Detected	0.5 PPM
Chromium (Cr)	Not Detected	0.1 PPM	Not Detected	0.1 PPM
Iron (Fe)	Not Detected	0.05 PPM	Not Detected	0.05 PPM
Zinc (Zn)	Not Detected	0.05 PPM	Not Detected	0.05 PPM
Copper (Cu)	Not Detected	0.01 PPM	Not Detected	0.01 PPM
Calcium (Ca)	Not Detected	0.1 PPM	Not Detected	0.1 PPM
Magnesium (Mg)	Not Detected	0.02 PPM	Not Detected	0.02 PPM
Potassium (K)	Not Detected	0.05 PPM	Not Detected	0.05 PPM
Sodium (Na)	Not Detected	0.05 PPM	Not Detected	0.05 PPM
Manganese (Mn)	Not Detected	0.005 PPM	Not Detected	0.005 PPM
Chlorine (Cl)	Not Detected	0.1 PPM	Not Detected	0.1 PPM
Phosphorus (P)	Not Detected	0.01 PPM	Not Detected	0.01 PPM
Silicon (Si)	Not Detected	0.2 PPM	Not Detected	0.2 PPM
Lead (Pb)	Not Detected	0.005 PPM	Not Detected	0.005 PPM

* Testing Method — Ion Chromatography

**Ultron Systems, Inc.
Adhesive Plastic Film
Chemical Analysis
P/N: 1007R**

Film

Adhesive

Chemical	Extracting Condition	Result	Limit of Detection	Result	Limit of Detection
Chlorine (Cl-)	water, 25°C, 30 min.	Not Detected	0.5 PPM	Not Detected	0.5 PPM
	water, 50°C, 30 min.	Not Detected	0.5 PPM	Not Detected	0.5 PPM

* Testing Method — High performance liquid chromatography