Sticky tape is used for dicing application, in order to hold the wafer on the tape during dicing. Standard tape has medium adhesion that will increase with time, but no possibility to low the adhesion quickly.

Standard tape list

Part number		F03	F04	F05	F07	F08	F09	F11
Color		Blue	Blue	Blue	Blue	Blue	Blue	Blue
Adhesion **180° peel angle**	30 min * (g/25 mm)	350	160	90	70	95	30	18
	24 h ** (g/25 mm)	520	270	170	135	170	50	22
Thickness	Total (μm)	139	130	125	80	80	80	80
	Adhesive (μm)	14	15	10	10	10	10	10
	Base film (μm)	125	115	115	70	70	70	70
	Backing film (μm)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Material	Base film ***	PVC	PVC	PVC	PVC	PVC	PVC	PVC
	Adhesive	Rubber	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
	Backing film	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	Core	PVC	PVC	PVC	PVC	PVC	PVC	PVC

*   Adhesion strength 30 minutes after film has been laminated on polished steel.
**   Adhesion strength 24 hours after after film has been laminated on polished steel.
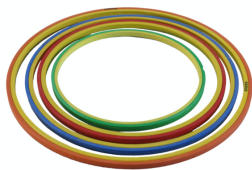*** Silicon release agent free

UV tape gives the possibility to decrease very quickly the adhesion. Just cure few seconds the tape inside a UV curing machine (UH104) and the dies will be extract easily from the film, with no remaining glue on the backside.

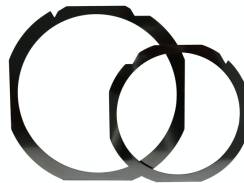Antistatic versions are available for ESD application.

UV tape list

Part number		F20	F27	F42	F43	F44
Antistatic layer		No	No	Yes	Yes	Yes
Color		Clear	Clear	Clear	Clear	Clear
Adhesion @ 30 min **180° peel angle**	Before UV (g/25 mm)	375	1850	300	890	350
	After UV (g/25 mm)	20	28	25	20	29
Adhesion @ 24 h **180° peel angle**	Before UV (g/25 mm)	308	1980	550	1042	650
	After UV (g/25 mm)	14	33	28	60	35
Thickness	Total (µm)	95	175	98	168	268
	Adhesive (µm)	15	25	18 **	18 **	18 **
	Base film (µm)	80	150	80	150	250
	Backing film (µm)	38	38	25	25	25
Material	Base film ***	PVC	PO	PO	PO	PO
	Adhesive	Acrylic	Acrylic	Acrylic	Acrylic	Acrylic
	Backing film	PET	PET	Polyester	Polyester	Polyester
	Core	PVC	PVC	PVC	PVC	PVC

** Thickness includes antistatic layer

Grip rings

Frames

UH114 tape mounter

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