



## PSA Polyimide Pressure-Sensitive Silicone Adhesive Tape

**PSA Tape** is a pressure-sensitive tape made of heat- resisting polyimide (**PI**) film coated by silicone adhesive. Due to excellent mechanical, dielectric strength and heat resistance in PI film and reliable heat-resistance in silicone glue , PSA tape has become perfect class- H insulating material.

*NOTE: PSA is abbr. of polyimide film silicone adhesive*

### Characters:

- \* Higher mechanical strength, better dielectric strength with thinner insulation ply
- \* Excellent heat resistance ,used as class- H insulation and can work for long term at 180°C but short time at 260°C;
- \* Good flexibility, better tear resistance and excellent workability, and can be glued on the different-sized workpieces;
- \* Self-sticking and good bonding strength , no removal after stripping off
- \* Different thickness and width to meet customers' specific requirements.

*NOTE: normal color of this material is amber. Please contact us for color requests of: **black, green, red, transparent, etc.***

### Spec.:

Item	Unit	PSA-10	PSA-20
Typical Thickness	mm	0.05	0.08
Thickness Scope	mm	0.05~0.065	0.072~0.088
Nominal Weight	g/m <sup>2</sup> ±10%	70	105
Film Thickness	mm	0.025	0.050
Supply Size	W: 3mm-520mm; L: 30m (or 33m) +1.0/-0m		

### Acrylic counterpart s and customization also available

### Properties:

Items	Test Condition	Unit	Product Standard Value	
			PSA-10	PSA-20
1. Appearance	Even surface free of wrinkles, creases, blister, gel particles and impurity; No tearing and adhesive removal when unrolling			
2. Dielectric Strength	A	kV/mm	≥70	≥80
3. Tensile Strength	A	N/CM	≥50	≥70
4. Elongation	A	%	≥45	≥45
5. Adhesive Strength	To steel surface	N/cm	≥2.3	≥2.3
	To the basis	N/cm	≤3.2	≤3.2
6. Flame Retardant	A	UL-94	V-0	V-0
7.Heat -impact Resistant	300°C/10sec.		No glue removal, delamination and legging	
	255°C/7sec.(twice)			

### Storage:

Packed in cartons and sealed in plastic film bag; Keep dry at room temperature.

**Shelf life** :12 months.

### Applications:

Polyimide pressure sensitive adhesive tape is widely used in ground, phase, layer insulation, and coils wrapping for H-class electrical machines and transformers, wrapping of coils end for common electrical machines and appliance and other sticking insulation in high temperature condition; also in **PCB** wave soldering, protection cover of hot air leveling and other bonding wrapping under high temperature and corrosion conditions.

*Note: 1.All of above information is based on our best knowledge, not read as guarantees. Right reserved for corrections.*

*2.Please contact us if customization requirements.*

**Contact information:** Company: WJF Chemicals Co. Ltd. QuZhou (website: <http://www.wjfchemicals.com>)

Address: 601 ZhongXing Plaza No. 123 HeHua ZhongLu QuZhou ZheJiang Province China Email: [info@wjfchemicals.com](mailto:info@wjfchemicals.com)

Tel./Fax: +865703865831 Mob.:+8613059765326