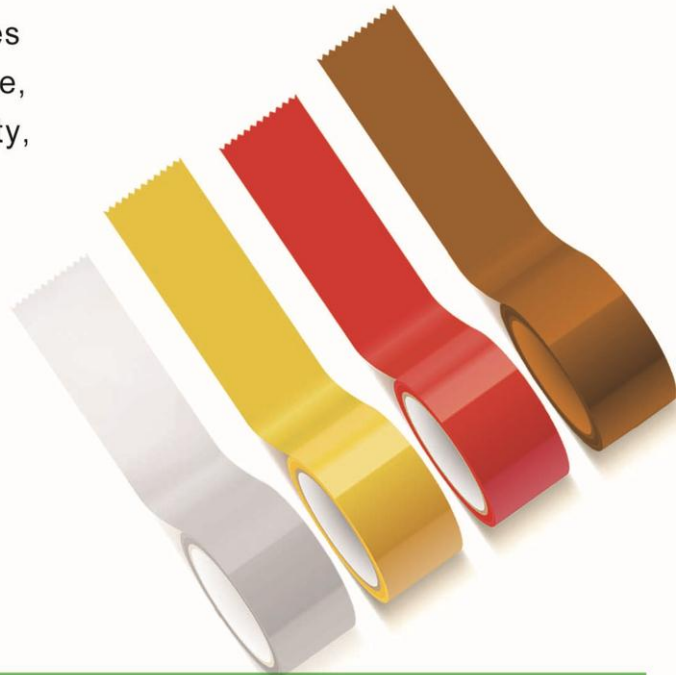


# Silicone Pressure Sensitive Adhesive (SPSA)

XJY Silicones SPSA are highly functional adhesives that have the unique features of temperature resistance, water resistance, electrical insulation, low inflammability, chemical inertness and anti-pollution.

## ADVANTAGES

1. Excellent high and low temperature resistance ( -60 - 300°C )
2. Outstanding chemical corrosion, UV resistance and weather resistance
3. Have good adhesion to low surface energy materials, such as silicone rubber and Teflon materials



## SPECIFICATIONS AND APPLICATIONS

| Product              | Curing system | Viscosity mPa.s | Solid content % | Stripping Strength g/inch | Basic material                       | Temperature resistance | Property   | Typical application   |  |
|----------------------|---------------|-----------------|-----------------|---------------------------|--------------------------------------|------------------------|--|---|--|
| XJY-301-1            | Proxide       | 20000-80000     | 60              | 800-1000                  | PET Film<br>Crepe paper              | 220°C                  | Strong initial adhesion and cohesive force<br>High and low temperature resistance<br>High stability  | PET tape, masking tape and label, adhesive tape and electrical tapes and shoe materials etc.  |  |
| XJY-301-2            |               | 30000-60000     | 58-62           | 600-800                   | PET Film                             | 220°C                  | Easy degradation<br>Non-toxic, environmental friendly solvent<br>Easy to degrade, no stimulation of the human body   | Environmentl friendly tape<br>Medical tape  |  |
| XJY-301-3            |               | 30000-80000     | 60              | 1100-1300                 | PET Film<br>Crepe paper              | 220°C                  | Excellent initial adhesion and cohesion force<br>High temperature resistance   | Protective tape and electrical insulating tape  |  |
| XJY-301-4            |               | 30000-80000     | 58-62           | 450-600                   | PET Film<br>PI Film<br>Crepe paper   | 260°C                  | Great initial adhesion and adhesion<br>Excellent high temperature resistance<br>Good spreadability and softness of the tape<br>It has a certain degree of adhesion to low surface energy materials | PI film thermal spraying masking tape<br>Electrical insulating tape and electronic masking tape<br>Heat sealing tape and textile material coating |  |
| XJY-301-5            |               | 20000-80000     | 58-62           | 400-550                   | PI Film<br>Silicone rubber<br>Teflon | 280°C                  | Excellent inner adhesion and initial adhesion<br>Ability of adhesion to low surface energy materials   | PI Film thermal spraying masking tape<br>High temperature masking tape<br>Thermal spraying masking tape<br>Electrical insulation tape             |  |
| XJY-301-6            |               | 40000 - 100000  | 55-60           | 200-300                   | PET Film                             |                        | Better appearance<br>High stability, suitable for coating<br>High cohesion and faster curing speed   | Protective film tape  |  |
| XJY-301-9            |               | 40000-100000    | 55-57           | 450-550                   | PI Film<br>Teflon                    | 300°C                  | Excellent balance of adhesive force and peeling force<br>Excellent high temperature resistance and insulation performance<br>Adhesion to low surface energy materials                              | High temperature covering tape<br>Thermal spraying masking tape<br>Electrical insulating tape   |  |
| TACIFIER<br>XJY-8208 |               |                 | 70-300          | 70-75                     |                                      |                        |  | Improve the adhesion of SPSA  |  |

## NOTES :

- (1) The data is average detection, used for reference;
  - (2) The data is for the laboratory test, initial adhesion, stripping force is directly related with basic materials, sizing thickness, formula, and primer;
- Please contact us directly for more product specifications.

## INSTRUMENTS

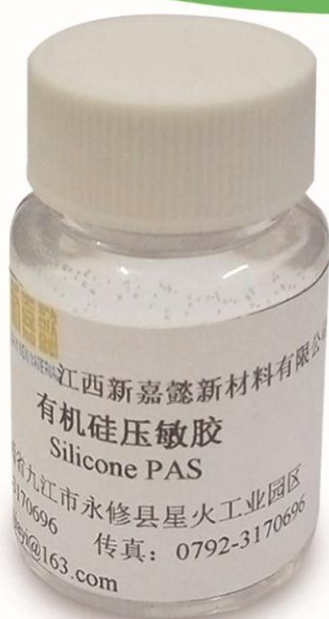
- 1、Recommended to use DCBP (2,4-dichlorobenzoyl peroxide), BPO (benzoyl peroxide), DBPMH(2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane) as catalysts. Catalyst usage is 2-3%. Water removal process needs to be passed before the use of the catalyst.
- 2、The temperature of the solvent volatilization section shall keep 80-120 °C, which ensures that the solvent volatilize completely. Otherwise, the adhesive tape will produce pores to cause defect and affect the performance of tape.
- 3、Curing temperature can be appropriately increased to ensure that the catalyst ( BPO, 175-180°C) decomposition completely. Pungent smell will occurs if the catalyst residue on adhesive tapes.
- 4、This product has reached an excellent balance on peeling strength, viscosity, adhesive strength and softness, maintaining good shear and adhesion performance.
- 5、Coating thickness, amount of catalyst, peeling strength, initial adhesion and temperature resistance can be adjusted with the production of customer' s needs.
- 6、The product can be directly coated, or add appropriate aromatic hydrocarbon solvents (such as toluene, xylene) and other types of diluents to adjust the solid content and viscosity.

## PACKAGE

200KG /barrel, can be adjusted with needs.

## STORAGE

Storage condition: keep in cool and ventilated place for 12 months.



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