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

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