Adhesive For PET Film
KL-2620A/B/C/D

Products Description
KL-2620A/B/C/D is four components compound. Heat and fast cured type of silicone adhesive, no primer needed. Good flow capability before cured, the cured silicone adhesive has a good adhesion to stick with PET base material and improving the surface Stripping Resistance. After cured, has good adhesion strength, excellent exhaust, high transparency, no adhesive residue, high temperature resistance, high humidity, can directly replace the same level products of Dow Corning and KCC products.

The silicone adhesives are characterized by good leveling property, electrical insulating property, and high grade of transparency and easy to clean with water. Mainly applied to the computer display screen, mobile phone screen protector, PET touch screen film series. Can be coated to PET film by lamination machine.

Physical Properties
Appearance And Component:

2620A: Transparent colloid containing platinum catalyst.

2620B: Transparent silica gel

2620C: Tackifier (increase the adhesion between PET film and silicone adhesive)

2620 D: pressure sensitive adhesive (increase D component ratio can increase the silicone surface stripping force)

Viscosity: <50000mpa.s
Solid Content: 60%
Curing Condition: TC10: 19S*150℃
              TC90: 42S*150℃
Stored Condition: Room temperature
Light Transmittance: 94%
Refractive index (sodium yellow light wavelength 5893 10^-10 meters): 1.48
Processing

( for example, coated 10 microns stripping force 3g/25 mm)

1. **Micro concave roll coating method**

   Solid content 24%, mixing uniformity with solvent by a ratio of A:B:C:D: Solvent = 100:100:10:40:380

   **(2) Comma blade coating method**

   Solid content 35%, mixing uniformity with solvent by a ratio of A:B:C:D:Solvent = 100:100:10:40:280

2. Taking material according to proportion, first mix C and solvent evenly, and then add in turn B→D→A, to achieve uniform mixture stirring 20 minutes

3. Coating uniformity of silicone adhesive on the silicone or PET film surface by coating method or rolling process.

4. Testing at laboratory baking for 2~3 minutes at 150℃.
   For producing Baking temperature depend on coating thickness. Ranging from 90℃ to 160℃.
   For 10μm takes about 50~60 seconds.

**Reference Data Table:**

Conventional protective PET film adhesive 60% solid content coating 10 μm
## Technical Data Sheet

<table>
<thead>
<tr>
<th></th>
<th>solid content</th>
<th>Formula 1</th>
<th>Formula 2</th>
<th>Formula 3</th>
<th>Formula 4</th>
<th>Formula 5</th>
<th>Formula 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>2620A</td>
<td>45%</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>100</td>
</tr>
<tr>
<td>2620B</td>
<td>75%</td>
<td>10</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>2620C</td>
<td>_ _</td>
<td>7.5</td>
<td>7.5</td>
<td>7.9</td>
<td>8.3</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>2620D</td>
<td>60%</td>
<td>0</td>
<td>55</td>
<td>82</td>
<td>12</td>
<td>14</td>
<td>165</td>
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<tr>
<td>Stripping resistance (g/25mm)</td>
<td>_ _</td>
<td>0</td>
<td>1-3</td>
<td>3-5</td>
<td>6-8</td>
<td>15</td>
<td>25-3-0</td>
</tr>
<tr>
<td>Air Dispersing Capacity</td>
<td>_ _</td>
<td>★★★</td>
<td>★★</td>
<td>★★☆</td>
<td>★</td>
<td>☆</td>
<td>☆</td>
</tr>
</tbody>
</table>

Conventional protective PET film adhesive 60% solid content coating 20 μm
## Technical Data Sheet

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<th>Formula 4</th>
<th>Formula 5</th>
<th>Formula 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>铂金水</td>
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<td>0.1</td>
<td>0.2</td>
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<tr>
<td>2620A</td>
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<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>2620B</td>
<td>75%</td>
<td>10</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>2620C</td>
<td>_ _</td>
<td>7.5</td>
<td>7.5</td>
<td>7.9</td>
<td>8.3</td>
<td>9</td>
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</tr>
<tr>
<td>2620D</td>
<td>60%</td>
<td>0</td>
<td>20</td>
<td>83</td>
<td>10</td>
<td>12</td>
<td>131</td>
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<tr>
<td>Stripping resistance (g/25mm)</td>
<td>_ _</td>
<td>0-1</td>
<td>1-3</td>
<td>5-8</td>
<td>10</td>
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<td>25</td>
</tr>
</tbody>
</table>

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Technical Data Sheet

* ★ Taken on behalf of a star, ☆ on behalf of half a star, The more ★ means the air dispersing ability better.

* The stripping force is in the film thickness of 50 microns, measured the thickness of the cured adhesive 20 ± 3μm, stripping force related to the thickness of cured adhesive.

* This data is for reference only, actual stripping force is related to the production process, please refer to our actual measurement.

Attention

- The application ratio should be adjusted appropriate to different materials, the thickness of coating and weather conditions (temperature and humidity). The application ratio should better increase 5%~10% based raw ratio at hot and humid conditions.
- Cleaning base materials and keep it dry, free of dust and oil.
- Solvent requirement: mixed solvent is needed, Toluene : ethyl ketone = 1:1,
- Or Xylene : ethyl acetate : cyclohexanone = 80:15:5
- Controlling and checking the viscosity during the coating process. Pay attention to the quantity for once and make it deeply cured.
- Keep in a good and suitable condition for coating. The working shop should be dust-free at 25~35℃ and humidity controlled in 15 ~ 60%. Much over dust will cause NG products, Low over temperature will cause bad leveling property and adhesion strength, Large over humidity will cause shrinkage cavity of film. Low over humidity will cause potential safety hazard and whity by static.
- The mixed silicone adhesive should be used up within 1 hour, if high viscosity happens, stop coating at once.
- The work shop should be ventilated and workers should wear labor protection tools during the coating process. Away from open flame, high temperature and pay attention to static electricity.
- Please read the product safety instructions before using.

Storage

Stored at room temperature for 6 months without mixing.

Packing

A: 25KG/Barrel, 50KG/Barrel  180/Barrel
Technical Data Sheet

B: 20KG/Barrel, 50KG/Barrel  180/Barrel

C: 4KG/Barrel, 20KG/Barrel

D: 20KG/Barrel, 50KG/Barrel  180/Barrel