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| Product description        | SL8180AB is a 2 components of liquid silicone rubber for textile coating.<br>(Mixing ratio – SL8180A : SL8180B = 1 : 1) |
| Applications               | Label coating for textile<br>Liquid silicone rubber for textile coating                                                 |
| Key performance properties | High temperature vulcanizing and addition curing LSR                                                                    |

### Typical Property Data

|                    |                                                                                              |                          |             |                           |                              |             |
|--------------------|----------------------------------------------------------------------------------------------|--------------------------|-------------|---------------------------|------------------------------|-------------|
| Benefits           | No by-products because of addition curing LSR                                                |                          |             |                           |                              |             |
| Typical properties | Property                                                                                     |                          | Test method | Unit                      | Press 1st cure <sup>2)</sup> |             |
|                    | Before Curing                                                                                | Appearance               |             | ASTM E 1767               | –                            | Transparent |
|                    |                                                                                              | Viscosity <sup>1)</sup>  | PTA         | ASTM D 4287               | Pa.s                         | 60          |
|                    |                                                                                              |                          | PTB         |                           |                              | 13          |
|                    |                                                                                              | Mixing ratio (by weight) |             | SL9981A : SL9981B = 1 : 1 |                              | 1 : 1       |
|                    | After Curing                                                                                 | Pot life (23℃, day)      |             | –                         | days                         | 3           |
|                    |                                                                                              | Appearance               |             | ASTM E 1767               | –                            | Transparent |
|                    |                                                                                              | Hardness                 |             | ASTM D 2240               | Shore A                      | 77          |
|                    |                                                                                              | Tensile strength         |             | ASTM D 412                | Mpa                          | 4           |
|                    |                                                                                              | Elongation               |             | ASTM D 412                | %                            | 50          |
|                    | 1) Shear Rate 10 s <sup>-1</sup>                                                             |                          |             |                           |                              |             |
|                    | 2) Sheet curing conditions : press cure at 170℃/10 min                                       |                          |             |                           |                              |             |
|                    | Caution) Typical property data values should not be used as specifications                   |                          |             |                           |                              |             |
| Composition        | Silicone polymer                                                                             |                          |             |                           |                              |             |
| How to use         | For making a suitable product, Mix components SL8180A and SL8180B in the ratio(weight) 1 : 1 |                          |             |                           |                              |             |
| Features           | High temperature vulcanizing and addition curing LSR                                         |                          |             |                           |                              |             |

### Storage and packaging

|                        |                                                                                                                                                     |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Shelf life and storage | Use it within 12 months from the day of manufacture.<br>Store in a cool dry place out of direct sunlight.<br>Keep out of the reach of the children. |
| Packaging              | SL8180A : 20kg<br>SL8180B : 20kg                                                                                                                    |

### Remarks

|          |                                                                      |
|----------|----------------------------------------------------------------------|
| Handling | Wear eye protection and protective glove when handling this product. |
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| <b>Precautions</b>          | May cause a curing difficulty with amine, sulfur, organicphosphate compound, and organicmetallic compound.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Warranty information</b> | <p>Please read carefully.</p> <p>The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this informaion should not be used in substitution for customer's tests to ensure that KCC's products are safe, effective, and fully satisfactory for the intended end use. KCC's sole warranty is that the product will meet the KCC sales specifications in effect at the time of shipment.</p> <p>Your exclusive remedy for breach of such warranty is limited to replacement of any product shown to be other than as warranted.</p> <p>KCC specifically disclaims any other express or implied warranty of fitness for particular purpose of merchantability.</p> <p>Unless KCC provieds you wwith a specific, duly signed endorsement of fitness for use, KCC disclaims liability for any incidental or consequential damages.</p> <p>suggestions of use shall not be taken as inducements to infringe any patent.</p> |
| <b>1'st issue</b>           | 2019-09-10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Revision</b>             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

※ Please refer to MSDS if you want to know more specific usage or caution.  
for further information, please see our website, [www.kccworld.co.kr](http://www.kccworld.co.kr)

