



Product description	SG6010Z Silicone Pressure Sensitive Adhesives are useful in coating of film and fabric substrates for manufacturing suitable for masking tapes used in electronic assembly applications and for electrical insulation tape.
Applications	- Masking tape - Electrical insulation tape - Coating films
Key performance properties	- Effective over wide temperature range(-73 ~ 270℃) - Perform over wide PH wide - Adhesion to a wide variety of surfaces(silicone,fluoropolymer)

Typical Property Data

Benefits	- Useful in coating of film - Thermostable - Chemically inert	
Typical properties	Properties(unit)	SG6010Z
	Uncured compound	
	Appearance	Clear
	Viscosity (25 °C , cP)	30,000 ~ 70,000
	Non volatility (%)	56 ± 1
	Specific gravity (25 °C)	0.97 ~ 0.99
	Solvent	Xylene
	Cured compound (180 °C × 120 s)	
	Adhesion ⁽¹⁾ , gf/in	700 ~ 900
	TACK ⁽²⁾ , Ball No.	30 ~ 32
Note 1) The values above are typical values, not specification values. Note 2) (1) 25 μm dry adhesive thickness, 25 μm P.E.T film, 1 % benzoyl peroxide, SUS304, 0.3 m/min 180° angle. (2) 25 μm dry adhesive thickness, 25 μm P.E.T film ,1 % benzoyl peroxide, ball tack tester		

Composition	- Silicone polymer - Xylene
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Curing process	Solvent Remova Drying step of the process is essential to optimize adhesive properties that the solvent is removed from the adhesive film before the curing step of the process starts. Typical temperature range for the drying step of the process is 80 ~ 100 °C . Higher removal temperatures can cause the peroxide to decompose prematurely and crosslink the solvent into the adhesive. A typical drying cycle is 120 sec at 80 °C . Curing Process A Typical temperature range for the curing step of the process is 160 °C to 210 °C . A typical curing cycle is 120 sec at 180 °C The exact conditions required to achieve a complete cure will depend on peroxide
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	type and type of substrate used, and should be established during experimental trials on the machine.
Features	– Peroxide Curing type – Silicone Pressure Sensitive Adhesives
Storage and packaging	
Shelf life and storage	SG6010Z Silicone Pressure Sensitive Adhesives have a usable life of 12months from date of manufacture. Keep out of the reach of the children.
Packaging	SG6010Z 18 kg / pail, 180 kg/drum
Remarks	
Handling Precautions	Product safety information required for sale use is not included in this document. Before handling, read product and material safety data sheets and container labels for safe use, physical and health hazard information. The material safety data sheet is available from your KCC representative, or distributor, or by writing to KCC customer service. SG6040Z silicone pressure sensitive adhesive is thinned with toluene, Xylene or other organic solvents. After the adhesive is applied to the backing. it is exposed to a two step process; solvent removal and curing.
Warranty information	Please read carefully 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 information 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. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. KCC specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless KCC provides you with a specific, duly signed endorsement of fitness for use, KCC disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent.
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※ 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

