BX-OSA-702 Silicone resin

I.Product Description

Basic Features:
702 series silicone adhesive is a toluene solution based on polysiloxane raw glue and resin with additives added. It is a kind of high temperature resistant pressure sensitive adhesive. It can be combined with other methyl siloxane pressure sensitive adhesives to obtain specific properties. It can be used in a wide range of temperature, and can be used to bond a variety of low surface energy materials, such as silicones, fluoropolymers, polyolefins.

II.Technical Specifications

	Model Number		7022	7025	7028	7029
Physicochemistry index	Appearance		Colorless transoarent viscous liquid			
	Solid Content(150℃*2h).%		52-55	56-58	59-61	58-60
	Viscosity(25℃),cp		5-11W	3-9W	3-12W	3-12W
	PH		7	7	7	7
	Specific Gravity(25℃)		0.98	0.98	0.98	0.98
Bonding Properties After Vulcanization	Initial Adhesion(Steel Ball Number,∠30)		≤16	14-23	14-23	14-24
	Peel Strength	PET transparent film(g/25um)	200-300	400-600	≥800	≥900
		1% wt color paste added(g/25um)	80-150	300-500	≥700	≥800
	Holding Power(260℃*3h)		No displacement			
	Temperature Resistance(230℃*30min)		No residue in hot peeling			

Note: Dispensing ratio, original glue: thinner: BPO=100/65/1.5-2.0, solvent removal at 90℃*2min, curing at 160℃*6min; Test conditions: 25℃， 55-65%RH, 38um PET film thickness, 20-25 umcured glue thickness.

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III.Packaging and Storage:

This product is packed in clear ,dry 200kg drum and sealed. Stored at room temperature (0~35℃).The effective storage period is 6 months. (Overdue the storage, if the product meet the standard, it can still be used.) Avoid direct sunlight. Be storied and transported as dangerous goods.

IV.Application range:

As pressure sensitive adhesive, it can be coated on PET, aluminum foil and other substrates with traditional high temperature tape coating equipment, to make pressure sensitive adhesive tape.It has good temperature resistance and chemical resistance. It can also be used in printed circuit board electroplating process shielding, SMT process, FPC, PCB board, sand blasting, painting, high temperature paint, sheliding the protected part during gold plating or electroplating, and electronic, electrical and other produets insulation bandage fixed.

V.Instructions:

1. Dosage of curing agent (peroxide can be used ,such as BPO or DPP, recommend with BPO) added may ranged from 1.5% to 2.5% of the glue depends on the substrate, coating equipment, curing period and required characteristics and other factors. To ensure better mixing of the curing agent and the glue, the curing agent needs to be completely dissolved in the solvent before thoroughly mixing with the glue. To avoid the impure particles of color paste or others, the dilution liquid should be filtered once using more than 250 mesh filter screen before coating on the machine.
2. Curing agent can be used to accelerate the curing speed or to apply at low temperatures, as well as improve the cohesion strength the adhesion property of the adhesive. The mixed peroxide dispersion liquid should be used up within 1-2 days. That is because peroxide will lose its activity quickly in the solvents. The sufficient dispersion of adhesive and peroxide in the mixing process is the necessary condition to ensure the consistency of the finished product.
3. 702 adhesive can be directly coated with traditional tape coating equipment. The adhesive can be further diluted with the compatible solvent such as toluene and xylene before coating. The advisable working liquid concentration is 35%. The concrete concentration is depending on your respective equipment and experience. When using the solvents, please ensure that it is good ventilated and comply with safety precautions and regulations of solvent suppliers.