

TECHNICAL DATA

Three Bond 1209 Deacetone Type RTV Silicon Sealant

Three Bond 1209 is a super heat resistant, single liquid, room temperature hardening RTV silicon sealant. This deacetone type sealant does not corrode metal and is superior in heat resistance, cold resistance and chemical resistance. As it is highly viscous the initial pressure resistance is also very good.

Features

- * Does not produce any corrosive gases
 - * Safer on plastics compared with other RTV (deoxime and deacetate)
 - * Maintains rubber elasticity from -60°C to 250°C
- (Conventional RTV silicone usually have an upper range of 180°C)

Applications

- Seals automobile parts, particularly high temperature components.
- Seals electric/electronic devices
- Seals various other parts

Characteristics

Before Handling	Units	Result	Remarks
Appearance		Black paste	
Specific Gravity		1.05	20°C
Slump property		0	
Tack free time		10 min	20°C
Hardened Properties	20°C x 55% RH x 7 days		
Hardness		37	JIS-A
Elongation	%	300	
Tensile strength	kgf/cm ²	24	
Al shear strength		14	
Fe shear strength		19	

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Physical Characteristic of heat resistant rubber 250°C	Deterioration period	Hardness (JIS-A)	Elongation (%)	Tensile strength (kgf/cm ²)
	10 days	38	185	16
	20 days	39	180	17
	30 days	43	175	20
Heat resistive shear strength 250°C	Deterioration period	Al (kgf/cm ²)	Fe (kgf/cm ²)	Weight change rate (%)
	10 days	17	13	4.0
	20 days	17	12	5.3
	30 days	17	10	6.2
Physical properties engine oil resisting rubber 120°C	Deterioration period	Hardness (JIS-A)	Elongation (%)	Tensile strength (kgf/cm ²)
	10 days	21	415	23
	20 days	15	480	18
	30 days	11	680	8
Engine oil resisting shear strength 120°C	Deterioration period	Al (kgf/cm ²)	Fe (kgf/cm ²)	
	10 days	19	5	
	20 days	7	5	
	30 days	6	5	

Shelf Life

11 months when stored at 10-25°C unopened.

Packaging

Available in packing of 100g.

Handling Precautions

- 1) Use at well ventilated area.
- 2) Keep away from children.
- 3) Combustible. Do not use near fire.
- 4) Harmful. Do not touch or breathe vapour of this product.
- 5) In case of eye contact, rinse with water for about 15 minutes, then consult physician.
- 6) Wash eyes after removing contact lens.
- 7) Do not use on medical implants.
- 8) Contains harmful ingredients. Do not use on tap water or hot water pipes.
- 9) Copper and copper alloy will corrode.
- 10) Depending on the surface, the surface may deteriorate. Before using, confirm effect of the product.

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- 11) Nonconductive. Do not use near electrical contact point.
- 12) After use, tightly close lid then store.
- 13) Avoid direct sunlight, store at low humidity area. (10 ~25⁰C)
- 14) For industrial use only.

Shelf Life

12 months unopened and stored at 10 ~ 25°C.

Packaging

Available in size of 100 g and 330 ml cartridge

Disclaimer

For Industrial Use Only

(Do not use for household purposes)

- The data contained in this report are obtained from experimental results, based on out test method. We cannot assume absolute responsibility for accuracy and safety. Before using this product, use your own judgement to determine whether or not this product meets the requirements of the application and objectives. This includes the burden of responsibility and hazardous danger. The extent of the guarantee provides replacement for products, which are clearly unsatisfactory.
- We assume responsibility for neither injury nor property damages resulting from the misuse of this product.
- We do not assume responsibility without written notice or contract.