

TECHNICAL DATA

ThreeBond 1216

Silicone Liquid Gasket

Three Bond 1216 is a silicone based liquid gasket designed especially for use with OLGS. It cures at room temperature and has rubber-like elasticity. It has excellent oil resistance and initial pressure resistance. In recent years, a wide range oils (engine oil, gear oil, transmission oil) have become more popular. But even against these demanding lubricants, TB1216 has excellent performance. It is suitable for large joint surface clearances or short assembly time.

Features

- Excellent oil resistance (engine oil, gear oil, transmission oil)
- Excellent chemical resistance
- Excellent heat and cold resistance. Rubber elasticity will be retained over a wide range of temperature from -60°C to 200°C.

Applications

Automotive engine oil pan, water pump, transmission and other engine related oil sealing.

Characteristics

Item	Test Method	Specification	Remark
Appearance	Normal Visualise	Grey	
Reaction Mechanism		Deoximation	
Specific Gravity	JIS K6820, 4.3	1.40	
Viscosity (cP)	JIS K 6820, 4.2	120 Pa.s	
Sagging		Non-sag	
Tack Free Time (Min.)	JIS A 5758,5.9	20	25°C/85%RH
Hardening Speed (mm/day)	3 TS 233	3.6	25°C/65%RH
Hardness	JIS A	60	
Elongation (%)	JIS K 6301	200	
Tensile Strength (kg/cm ²)	JIS K 6829	30	
Shear Strength (kg/cm ²)	JIS K 6829	23	Fe/Fe
		20	Fe/Zn
Non-Volatile (%)	JIS K 6820, 4.4	99	
Instantaneous Pressure Resistance (kg/cm ²)		3.0	
Extrusion (g/sec.)	3 BT 247	25	

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Handling Precautions

1. It is important to ventilate the working area well.
2. Keep away from children.
3. Combustible. Do not use near fire source.
4. Harmful. Do not inhale or ingest. In the event that this product is ingested, immediately consult the physician.
5. In the case of eye contact, rinse with water for 15 minutes, and then consult a physician.
6. Wash eyes after removing contact lens.
7. Do not use on medical implants.
8. Do not use on pipes.
9. Please read direction and brochure carefully before use.
10. Copper and its alloy will corrode.
11. Non-conductive. Do not use near electrical contact points.
12. After close tightly the lid, then store.
13. Avoid direct sunlight; store at low temperature (10 ~ 25°C) and low humidity.
14. For industrial use only.

Shelf Life

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

Packaging

Available in packing of 120g tube, 333ml cartridge and 20 kg peal tin.

Disclaimer

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(Do not use for household purposes)

- The data contained in this report are obtained from experimental results, based on our test methods. 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.
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