

THREEBOND liquid gasket



ThreeBond 1110H is a one component liquid gasket developed for sealing applications by preventing leakage of oils, water and gases under pressure at joining surfaces, it provides excellent resistance to contact fluids, shock and vibrations. By maintaining its functionality over a wide range of temperatures and for an extend period of time. It can improve the performance of equipment, extend functional life and reduce the total costs.

FEATURES

- Acrylate based resin
- One component solvent free
- Anaerobic curing (stays liquid until it is isolated from oxygen)
- Service temperature -50 / +150 °C
- Sealing applications

PROPERTIES

Before curing

| Description | Result | Units |
|---------------------------|-------------|----------------------------|
| Colour | White | |
| Viscosity at 25 °C | 35 | Pa·s [N·s/m ²] |
| Specific gravity at 25 °C | 1,05 | g/cm ³ |
| Curing time | | |
| Functional strength | 1 a 2 | hours |
| Full strength | 24 | |
| Optimum clearance | 0,01 a 0,02 | mm |
| Min and max clearance | 0,005 & 0,1 | mm |
| Maximum size | M20 | |

After Curing

| Description | Results | Units |
|----------------------|---------|-------|
| Compression strength | | |
| at 25 °C | > 12 | MPa |
| at 80 °C | > 10 | |
| at 150 °C | > 9,5 | |
| Break loose torque | 8 a 16 | Nm |
| Prevailing torque | 8 a 16 | Nm |
| M10 x P1,5; Steel | | |

Chemical resistance

| Description | Weight change | Units |
|-----------------------------|---------------|-------|
| Water (95 °C x 24 uur) | 0,3 | % |
| Engine Oil (50 °C x 24 uur) | -1,1 | % |
| Petrol (100 °C x 24 uur) | -0,9 | % |

HANDLING

- 1) Before use, please refer to safety data sheet
- 2) Prior to opening the container, let it reach room temperature to avoid condensation inside
- 3) To obtain optimal results, remove humidity, grease and other impurities from the surface to be assembled
- 4) Depending on the materials (dimensions and surface roughness), apply an appropriate and uniform amount of liquid gasket on the surface, then assemble rapidly
- 5) The product once transferred into another container should not be returned to the original one. Any excess product should be wiped out using a cloth
- 6) Keep the product in its original container, tightly sealed and store it in a dark, dry and well ventilated place at 10 ~ 25 °C