

## TECHNICAL DATASHEET

### 4280

(Instant Gasket – Temperature resistant)

#### Description

Very high viscous, fast sealing product for flanges in pumps, gear boxes and many more applications. This product shows very good resistance against water, gas, LPG, oil and a wide range of technical chemicals, respectively solvents. It seals safely within the thermal range of -55°C up to +200°C and resists against impact and vibration. Certified acc. to NSF ANSI 61 for use in commercial and residential potable water systems not exceeding 82°C. NSF S2 (formerly P1) listed for use in food processing area.

#### Advantages

- Stays in position during assembly
- High thermal resistance up to 200°C
- Solvent-free, good chemical resistance

#### Physical properties (liquid product)

Chemical base	Diester of Methacrylic Acid
Curing System	Anaerobic curing adhesive
Shelf-life standard packaging (≤ 250 g)	12 months at room temperature
Flash point	>100°C
Viscosity at 25°C (Brookfield RVT)	
spindle 7, 2.5 rpm	300'000 – 600'000 mPa•s
spindle 7, 20 rpm	60'000 – 100'000 mPa•s
Density	~ 1.13 g/cm <sup>3</sup>
Colour	Red (fluorescent)
Max. gap filling:	0.5 mm

### Curing properties

Measured on M10 x 20 bolt – grade 8.8 black phosphatized – nut 0.8d (no on-torque)

Initial strength	< 3 hours
Functional strength	3 – 6 hours
Final strength	6 – 12 hours

### Physical properties (cured product)

Thermal range	- 55 °C up to 200 °C
Shear strength (DIN EN ISO 10123)	> 12 N/mm <sup>2</sup>
Tensile strength (DIN EN 15870)	~ 10

### Precautions

For your own safety, please refer to the information of the concerned MSDS and for the correct handling the “user instructions”.

The information in this data sheet is based on the results of our research and experience. However, the suggestions herein concerning the use, application, and processing of the products (collectively, „the methods“) **are non-binding recommendations only**. It is the user's sole responsibility to determine the suitability and safety of these methods, based on the user's particular purpose in using the products. Before relying on the reliability and safety of any parts that are bonded using the products, it is extremely important that the user test the reliability and safety of the parts that are bonded. Failure to do so could result in serious personal injury. Because of the use of the products are within the purchaser's sole control, Kisling Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability or fitness for a particular purpose, arising from the sale or use of the products described herein. Kisling Corporation specifically disclaims any liability for consequential, incidental, or other damages of any kind, including lost profits. Kisling Corporation's liability for damages shall not exceed the purchase price of the products used.

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