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## Technical Data Sheet

### MotoSeal™ 1 Ultimate Gasket Maker Grey

AAM Revised 08/02

#### PRODUCT DESCRIPTION

**S.I.N.: 834-300**

Permatex® MotoSeal™ 1 is a gray solvent based semi-drying liquid gasket based on an elastomeric, synthetic rubber and designed for excellent gap filling properties. It is designed for use on motorcycles, personal watercrafts, snowmobiles and all- terrain vehicles. MotoSeal™ 1 resists high temperatures and performs well in a gasoline environment.

#### PRODUCT BENEFITS

- Resistant to gasoline
- Resists high temperatures
- Performs well at low temperatures
- Effective on uneven joint surfaces
- Forms a tough flexible film
- Chemical resistant

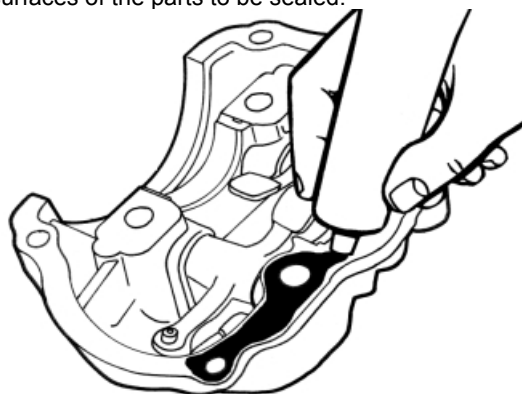
#### TYPICAL APPLICATIONS

- Cylinder head top covers
- Crank case halves
- Timing chain cases
- Cam covers
- Center and end covers (transmissions)
- Exhaust manifold seals
- Cylinder case halves
- Side covers
- Clutch housings

#### DIRECTIONS FOR USE

##### For assembly as a form-in-place gasket

1. Remove all previous material from mating surfaces. Permatex® Gasket Remover is recommended for most materials, not for plastics or painted surfaces.
2. For best results, clean and dry all surfaces with a residue-free solvent, such as Permatex® Brake and Parts Cleaner.
3. Apply a continuous bead of MotoSeal™ 1 to both surfaces of the parts to be sealed.



4. Smooth material with a small brush.

5. Wait about one (1) minute then mate parts together.
6. Bolt parts together using specified torque values.

#### For Cleanup

1. Clean up uncured MotoSeal™ 1 with acetone or lacquer thinner.
2. Cured material must be cleaned with Permatex® Gasket Remover.
3. Clean hands with a dry cloth or Permatex® Fast Orange® hand cleaner.

#### PROPERTIES OF UNCURED MATERIAL

|                      | Typical Value       |
|----------------------|---------------------|
| Chemical Type        | Synthetic rubber    |
| Appearance           | Gray viscous liquid |
| Odor                 | Solvent             |
| Specific Gravity     | 1.20                |
| Flash Point, TCC, °F | 87                  |

#### TYPICAL CURING PERFORMANCE

Permatex® MotoSeal™ 1 Gasket Maker cures by solvent evaporation. Full cure is dependent on temperature, humidity and size of gap.

#### TYPICAL ENVIRONMENTAL RESISTANCE

| Temperature Resistance | Typical Values |
|------------------------|----------------|
| Continuous, °F         | -65 to 350     |
| Intermittent, °F       | -65 to 400     |

#### Chemical / Solvent Resistance

The product retains effective properties in contact with automotive fluids, such as motor oil, gasoline, transmission fluids, alcohol and antifreeze solutions

#### GENERAL INFORMATION

**This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.**

**For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).**

#### ORDERING INFORMATION

| Part Number | Container Size   |
|-------------|------------------|
| 29132       | 2.7 fl. oz tubed |

#### STORAGE

Products shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8° to 28°C (46° to 82°F) unless otherwise labeled. Optimal storage is at the lower half of this temperature range. To prevent contamination of unused product, do not return any material to its original container.

**NOTE**

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