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## Technical Data Sheet

# Permatex® PermaShield™ Fuel Resistant Gasket Dressing & Flange Sealant

AAM Revised 02/12

### PRODUCT DESCRIPTION

Permatex® PermaShield™ Fuel Resistant Gasket Sealant and Flange Sealant is a non-setting and non-hardening gel sealant designed for use with all pre-cut gaskets, including head gaskets and as a sealant for machined flanges. The product has a temperature range of -60°F to 500°F (-50°C to 260°C), is non-running and resists automotive fluids including all industrial fuels, oils, water/glycol mixtures, petroleum and synthetic lubricating oils, gasoline, diesel fuels, gasoline/alcohol mixtures and fluorocarbon refrigerants.

Permatex® PermaShield™ Fuel Resistant Gasket Dressing and Flange Dressing can be used to seal machined joint faces and threaded parts. PermaShield™ exhibits excellent adhesive properties making the product acceptable for high performance applications.

Permatex® PermaShield™ may be used as a gasket sealant or as a gasket-maker for machined flanges.

### PRODUCT BENEFITS

- High temperature resistance
- Non-running - can be used on vertical or underside applications
- Permanently flexible, may be re-sealed without additional application of product
- Sensor Safe

### TYPICAL APPLICATIONS

- Head gaskets
- Valve cover gaskets
- Oil pan gaskets
- Intake gaskets
- Marine engines
- Diesel engines
- Gear boxes
- Axle assemblies
- Torque converters
- Differential covers
- Fuel injectors and pumps

### DIRECTIONS FOR USE

1. Provide adequate ventilation.
2. Surfaces should be free of oil, dirt and grease. Clean flange surfaces with Permatex® Brake and Parts Cleaner.
3. Apply a thin film or bead to both surfaces.
4. Allow solvent to completely evaporate. Acetone/solvent odor will no longer exist when dry.
5. Assemble parts.
6. Recheck torque after 10 minutes.

### For Cleanup

1. Remove residues of PermaShield™ with acetone.
2. Clean hands with Permatex® brand hand cleaners.

### PROPERTIES OF MATERIAL

	Typical Value
Chemical Type	Polyester Urethane
Appearance	Blue gel
Odor	Acetone
Specific Gravity	1.04
Flash Point °F CC	<0
Flammability Rating	Highly Flammable

### 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
85420	2 fl oz tube, carded

### STORAGE

Products shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8° and 28°C (46° and 82°F) unless otherwise labeled. Optimal storage is at the lower half of this temperature range.

### NOTE

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