



**GREEN POLYMERIC MATERIALS, INC.**

**6031 Joy Road**

**Detroit, MI 48204**

**Phone: 1-313-933-7390**

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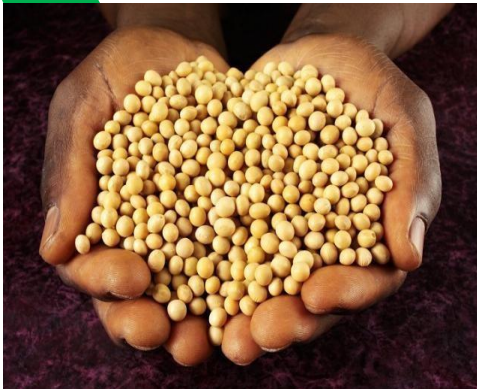
**[www.gpmaterials.com](http://www.gpmaterials.com)**

**E-MAIL: [contact@gpmaterials.com](mailto:contact@gpmaterials.com)**

# Green Polymeric Materials, Inc.

## Recycled Rubber Filled Soy Polyurethane

Using Soy and Recycled Tire Rubber to Enhance Clean Automotive Technologies

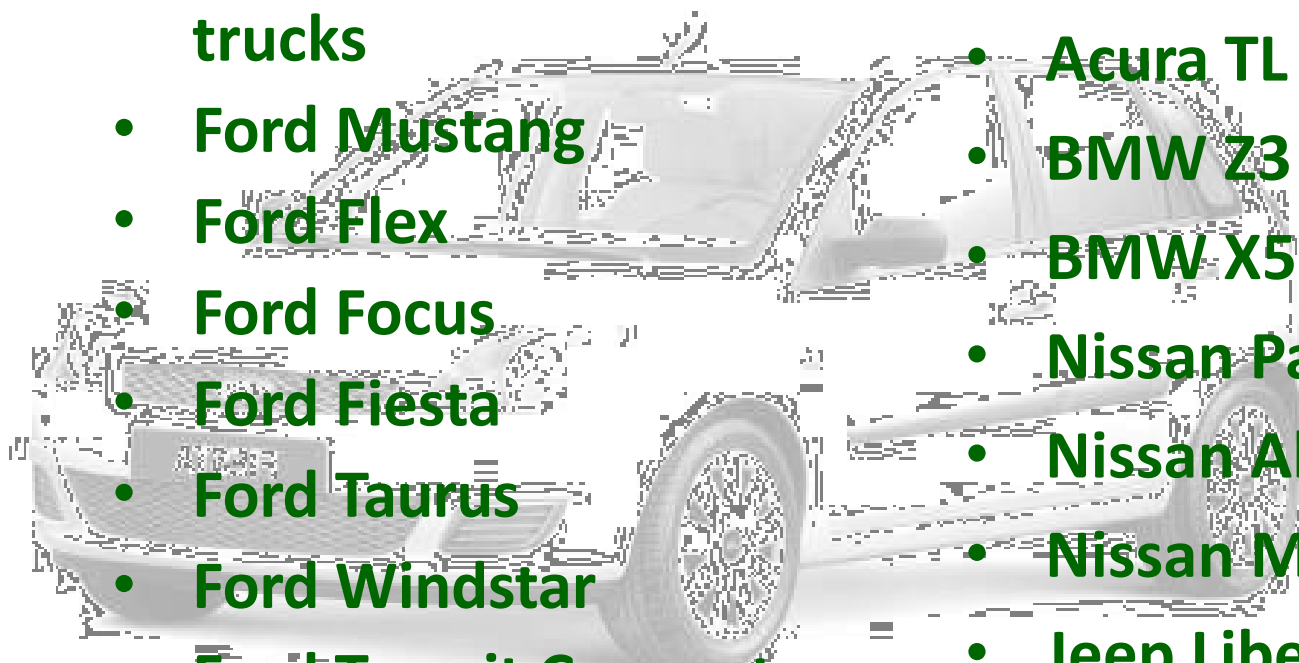


**GPM**  has been in business since 2002

- **GPM** is a manufacturer of Injection-molded Polyurethane Foam Gaskets & Seals
- 65,000 square foot facility with room to expand
- **GPM** is located in Detroit, Michigan, USA
- **GPM** is a global supplier
- Ambient Temperature Processing
- Positive environmental impact
- Raw Materials from annually renewable crops

## A Selection of Models Using Or Have Used GPM Gaskets & Seals






- Ford Escape
- Ford F-150, 250, 350 trucks
- Ford Mustang
- Ford Flex
- Ford Focus
- Ford Fiesta
- Ford Taurus
- Ford Windstar
- Ford Transit Connect
- Lincoln MKS
- Chevy Volt
- Honda Pilot
- Acura TL
- BMW Z3 Roadster
- BMW X5 SUV
- Nissan Pathfinder
- Nissan Altima
- Nissan Maxima
- Jeep Liberty
- Saturn Vue










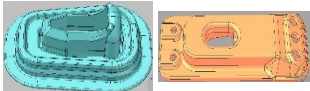
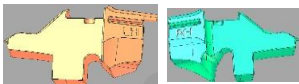

## PRODUCTION PARTS

| GPM PART  | OEM    | MODEL             | APPLICATION             | START DATE |
|---|--------|-------------------|-------------------------|------------|
|    | FORD   | ESCAPE & FOCUS    | GASKET FOR HVAC         | 2010       |
|    | FORD   | TAURUS & EXPLORER | DRAIN SEAL FOR HVAC     | 2011       |
|    | FORD   | TAURUS & EXPLORER | TXV GASKET FOR HVAC     | 2011       |
|    | FORD   | TAURUS & EXPLORER | SIDEVIEW MIRROR         | 2011       |
|    | FORD   | FIESTA            | GASKET FOR HVAC         | 2012       |
|    | FORD   | ESCAPE & FOCUS    | GASKET FOR HVAC         | 2014       |
|    | FORD   | F-250 & F-350     | HOOD MUCKET             | 2018       |
|   | NISSAN | ALTIMA & MAXIMA   | GROMMET COOLER FOR HVAC | 2011       |
|  | NISSAN | PATHFINDER        | GROMMET COOLER FOR HVAC | 2011       |
|  | NISSAN | TITAN             | GROMMET COOLER FOR HVAC | 2015       |










## PRODUCTION PARTS

| GPM PART   | OEM    | MODEL        | APPLICATION             | START DATE |
|--|--------|--------------|-------------------------|------------|
|   | FORD   | S550 MUSTANG | DOOR PANEL ASY          | 7/7/20     |
|   | FORD   | S550 MUSTANG | DOOR PANEL ASY          | 7/7/20     |
|   | NISSAN | 925609BU0A   | GROMMET COOLER FOR HVAC | 2/10/21    |
|   | GM     | Cadillac XT4 | HOOD MUCKET             | 2022       |
|  | GM     | Cadillac XT4 | HOOD MUCKET             | 2022       |

## SERVICE PARTS

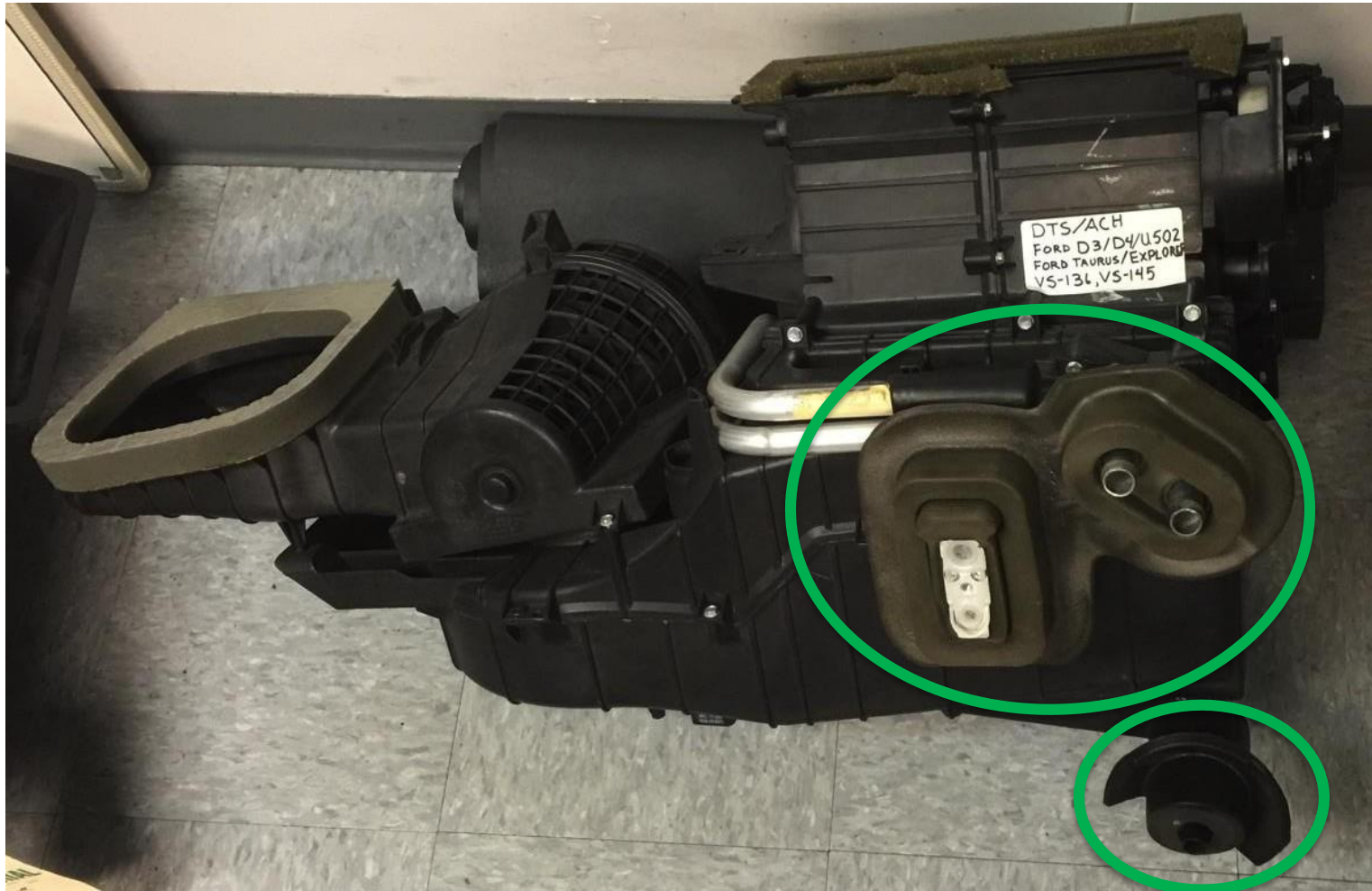
| GPM PART  | OEM            | MODEL       | APPLICATION     |
|---|----------------|-------------|-----------------|
|    | FORD           | TRANSIT     | GASKET FOR HVAC |
|    | FORD           | TRANSIT     | GASKET FOR HVAC |
|    | FORD           | ESCAPE      | GASKET FOR HVAC |
|    | FORD           | ESCAPE      | GASKET FOR HVAC |
|    | FORD           | ESCAPE      | GASKET FOR HVAC |
|    | FORD           | FUSION      | GASKET FOR HVAC |
|    | FORD           | FIESTA      | GASKET FOR HVAC |
|   | FORD           | FIESTA      | GASKET FOR HVAC |
|  | GENERAL MOTORS | CHEVY VOLT  | HOOD MUCKET     |
|  | GENERAL MOTORS | CHEVY SONIC | FOD GASKET      |

## SERVICE PARTS

| GPM PART  | OEM            | MODEL       | APPLICATION     |
|---|----------------|-------------|-----------------|
|    | GENERAL MOTORS | OPEL MERIVA | FOD GASKET      |
|    | BMW            | X5 {LHD}    | SIDEVIEW MIRROR |
|    | BMW            | X5 {RHD}    | SIDEVIEW MIRROR |
|    | FORD           | FOCUS       | SIDEVIEW MIRROR |
|    | FORD           | FOCUS       | SIDEVIEW MIRROR |
|    | FORD           | MKS         | SIDEVIEW MIRROR |
|   | FORD           | FLEX        | SIDEVIEW MIRROR |
|  | FORD           | TAURUS      | SIDEVIEW MIRROR |
|  | HONDA          | PILOT       | SIDEVIEW MIRROR |



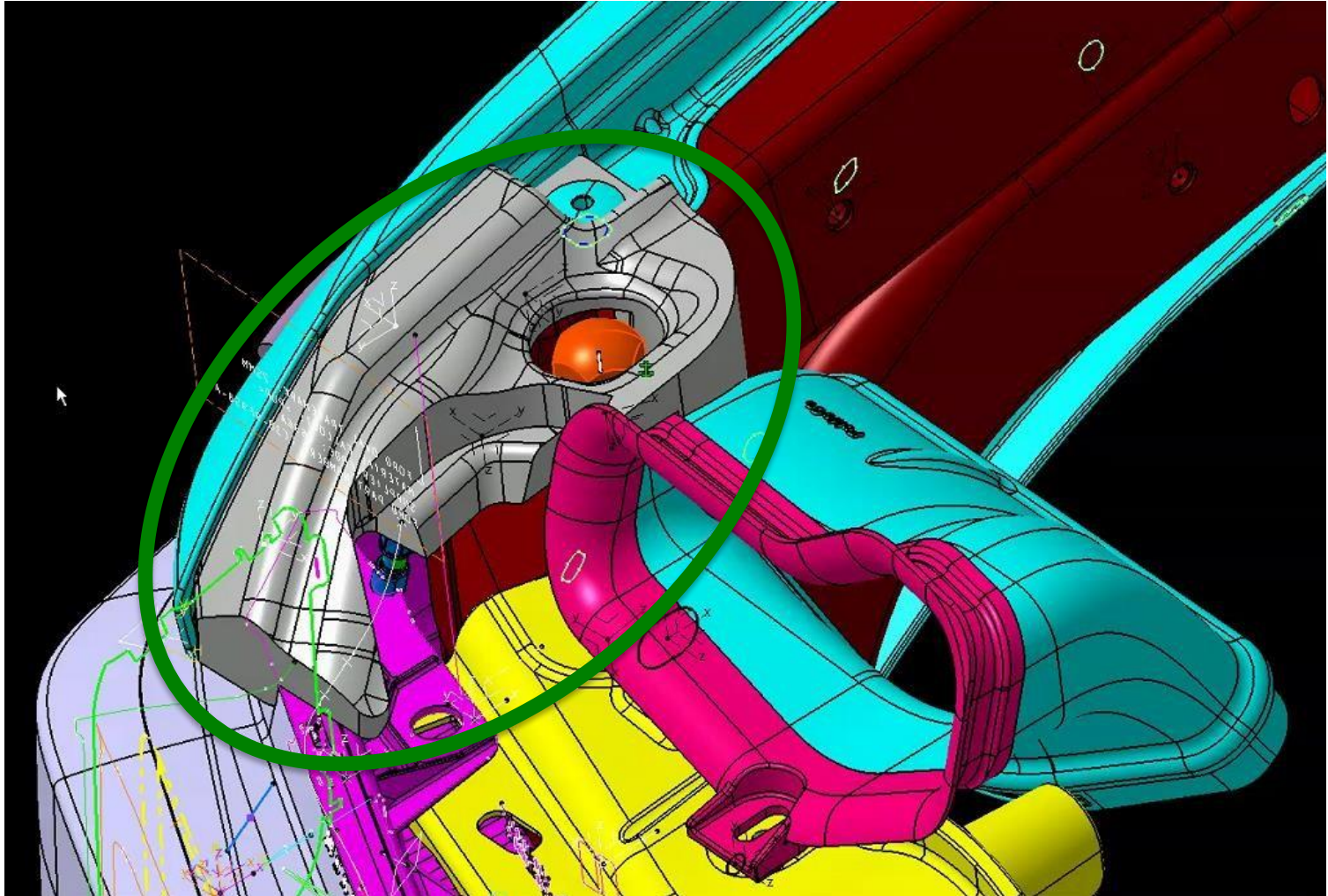
# Application: HVAC Gaskets/Seals



# Application: Sideview Mirror Gaskets/Seals

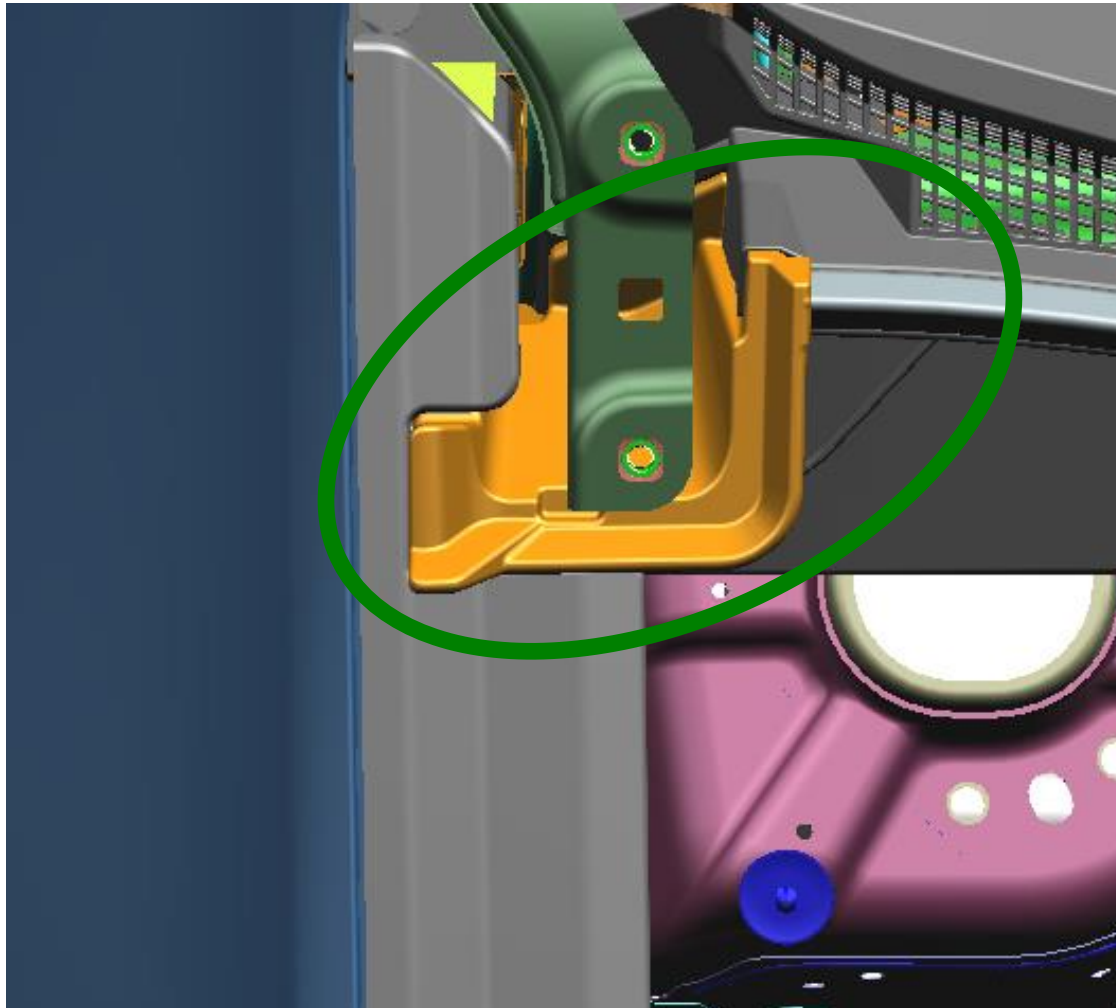


# Application: Hood Mocket Gaskets/Seals





# Application: Hood Mocket Gaskets/Seals



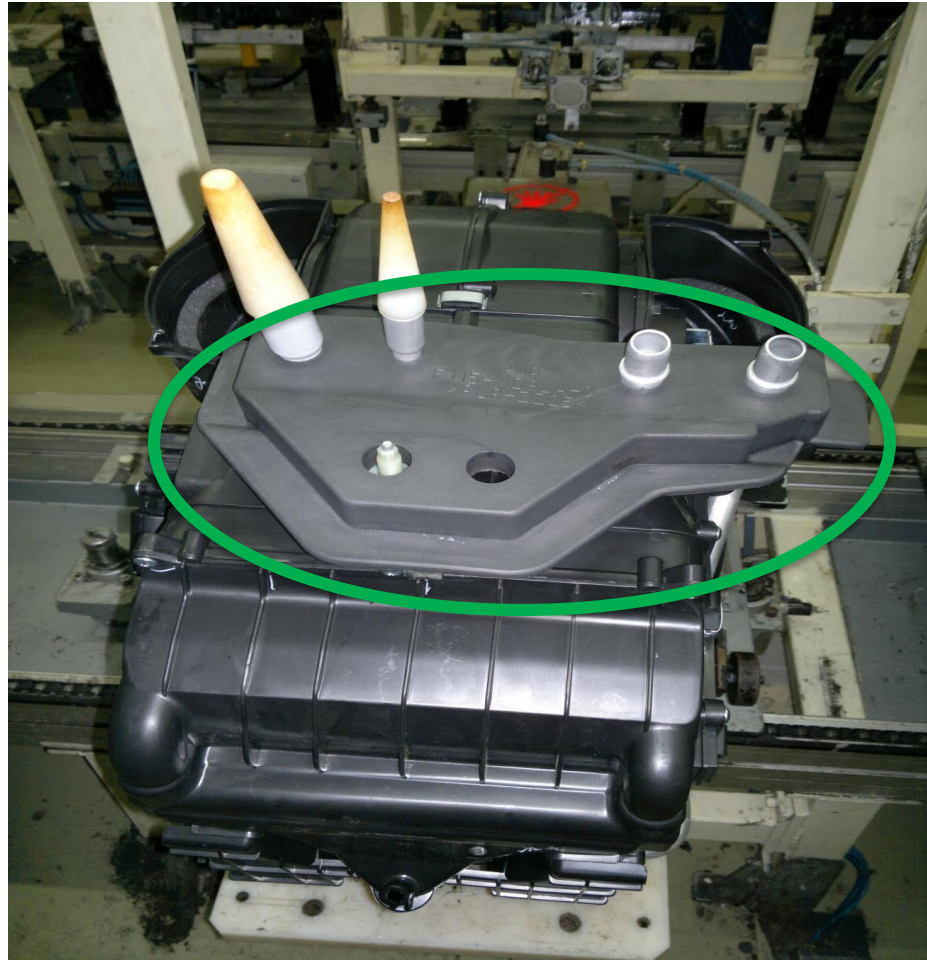
# Application: PNL ASY BDY SD TR



# Application: HVAC



## Easy Installation







## The GPM Advantage

Engine Compartment Fluid Resistance Test  
125 °C for 72 Hours



## The GPM Advantage

Engine Compartment Fluid Resistance Test  
125 °C for 72 Hours





# Functionality of GPM Seals

- Sealing
- Durability
- Dimensional Stability
- NVH
- Odor/Anti Bacterial
- Environmental



# Engine Compartment Fluid Resistance at 70°C For 168 Hours

## Identical Part Following Immersion in Transmission Fluid

Polar Versus Non-Polar Chemistries - “Like Dissolves Like”

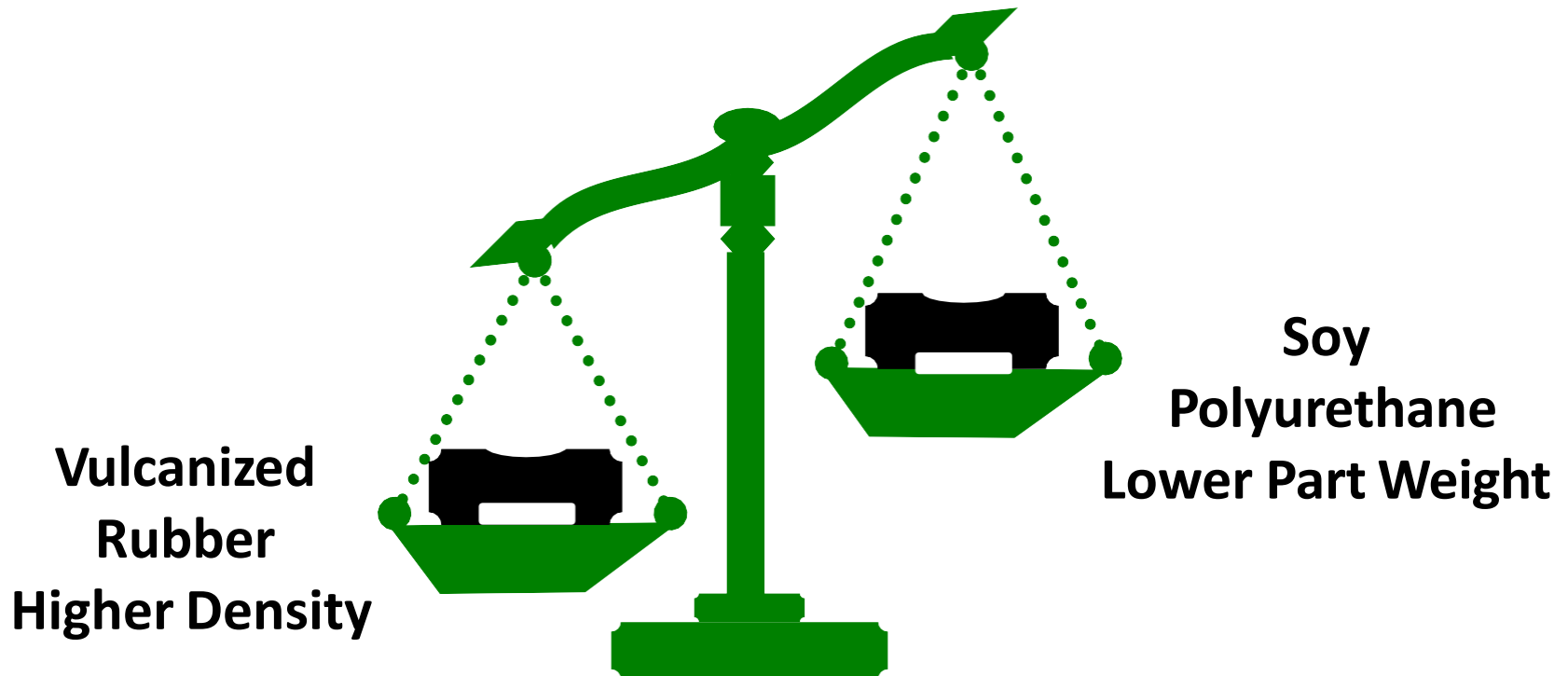


**GPM, Inc. CI-2433**  
**Resistance to Transmission Fluid**



**Vulcanized EPDM**

## Reduced Weight



**Component Weight Reduction (~ 40%)**

# Positive Environmental Impact



**Scrap Tires**



**Rubber Filled  
Soy Polyurethane**



**Recycled Rubber Granules**

**GPM**   
**Quality  
Priority**

IATF-16949 : 2016 Certified

# ABS Quality Evaluations

## Certificate Of Conformance

This is to certify that the Quality Management System of:

**Green Polymeric Materials, Inc.**

6031 Joy Road  
Detroit, MI 48204  
U.S.A.


has been assessed by ABS Quality Evaluations, Inc. and found to be in conformance with the requirements set forth by:

**IATF 16949:2016**

The Quality Management System is applicable to:

**MANUFACTURER OF CUSTOM FORMULATED POLYMERIC MATERIALS AND COMPONENTS. EXCLUDING  
PRODUCT DESIGN, IATF 16949:2016 CLAUSE 8.3**

Certificate No: 52860  
Effective Date: 27 May 2021  
Expiration Date: 26 May 2024  
Revision Date: 27 May 2021  
IATF No: 0401698

  
Dominic Townsend, President



Validity of this certificate is based on the successful completion of the periodic surveillance audits of the management system defined by the above scope and is contingent upon prompt, written notification to ABS Quality Evaluations, Inc. of significant changes to the management system or components thereof.

ABS Quality Evaluations, Inc. 1701 City Plaza Drive, Spring, TX 77389, U.S.A.

Validity of this certificate may be confirmed at [www.abs-qe.com/cert\\_validation](http://www.abs-qe.com/cert_validation).

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# MMSDC Certified Minority Business

THIS CERTIFIES THAT

**Leading Edge Polymers, Inc.**  
dba Green Polymeric Materials, Inc.

 **NMSDC**  
National Minority Supplier  
Development Council

\* Nationally certified by the: **MICHIGAN MINORITY SUPPLIER DEVELOPMENT COUNCIL**

\*NAICS Code(s): 326150; 339991

\* Description of their product/services as defined by the North American Industry Classification System (NAICS)

05/12/2023  
\_\_\_\_\_  
**Issued Date**

04/01/2024  
\_\_\_\_\_  
**Expiration Date**

  
**Ying McGuire**  
NMSDC CEO and President

  
**Michelle Sourie Robinson, President & CEO**

MI04329  
\_\_\_\_\_  
**Certificate Number**

By using your password (NMSDC issued only), authorized users may log into NMSDC Central to view the entire profile: <http://nmsdc.org>

[Certify. Develop. Connect. Advocate.](#)

\* MBEs certified by an Affiliate of the National Minority Supplier Development Council, Inc.®

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**Detroit, MI 48204**

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