Automotive Design Solutions

Today's high-tech automobiles require reliable, long-lasting materials to help maintain their integrity and safety. The Rogers Team works to understand these needs and is here to help ensure you have the proper materials to meet your unique design requirements. For more than 40 years, PORON® Urethanes and BISCO® Silicones have been evolving to provide the most trusted solutions for various internal and external automobile applications. From gaskets and seals to shock and vibration dampers, gap fillers, and spacers, Rogers has the ideal solution for your automotive design applications.

REDUCED NOISE AND VIBRATION

- Excellent compression set resistance and long-term reliability to ensure reduced noise, vibration and wear between components for the life of the vehicle.
- A smooth, high quality surface finish that complements today's latest designs.
- The availability of multiple formulations helps to ensure you have the proper material to accommodate your specific vibration isolation and impact absorption needs.

UNIQUE SOLUTION FOR DEPENDABLE PADDING AND SPRINGS

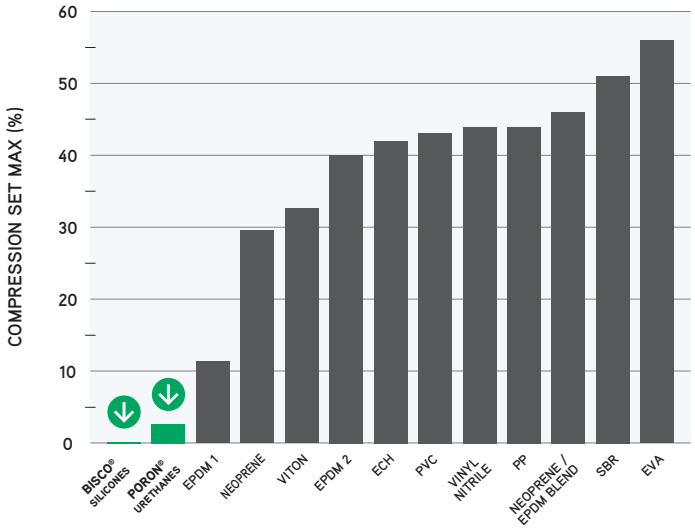
- Maintains "spring-back" force across a wide temperature range (-40°C to 90°C for PORON Urethanes and -55°C to 200°C for BISCO Silicones) or with extended use. (See Graph 1)
- Available in a variety of thicknesses ranging from 0.30mm to 12.7mm for PORON Urethanes and 0.25mm to 25.0mm for BISCO Silicones.

RELIABLE GASKETING AND SEALING FOR SMALL AND LARGE APPLICATIONS

- Soft and flexible to provide dependable gasketing and sealing solutions for designs with tight, uneven component surfaces.
- Uniform density and thickness profiles ensure consistent quality and tight seals even across large areas such as tail lights and bumpers.
- Thin and easily die-cut and skived to effectively protect sensitive small electronics from air, water, dust and light.
- Available in a wide compressibility range for ultimate design freedom.

GRAPH 1:

EXCELLENT COMPRESSION SET RESISTANCE FOR RELIABLE LONG-TERM PERFORMANCE



TEST METHOD: **ASTM D 3574-95 TEST D AT 158°F (70°C)**

TESTING AS OF MARCH 2012

GAP FILLING TOOL

Find the PORON® solution that meets your final gap thickness needs:

rogerscorp.com/hpf/tools/gapfilling

Automotive Design Solutions

MEETS OR EXCEEDS VARIOUS AUTOMOTIVE SPECIFICATIONS AND REQUIREMENTS:

Additional testing information available for the following specifications:

- General Motors GMW-14196
- Chrysler MS-AY-549
- Ford WSL-M99G163
- FMVSS 302 standards

Environmental requirements such as:

- General Motors GMW-3059
- Ford Motor Company WSS-M99P9999-A1
- Chrysler Corporation CS9003

Additional benefits include:

- Low-outgassing and non-fogging.
- Contains no plasticizers or residual chemicals to contaminate devices.
- Non-corrosive to metal and will not become brittle or crumble over time.

Additional testing and specifications may be available.
Please contact your Rogers Sales Engineer for further information.

APPLICATIONS INCLUDE BUT ARE NOT LIMITED TO:

- A/C vent gaskets
- Applique seals
- Arm rest isolation pads
- Bin liners
- Body panel clip seals
- BSR/NVH isolation pads
- Bumper spacer / pads
- Center stack seals
- Center console isolation pads
- CHMSL seals
- Coin holder springs
- Cup holder ears
- Deck lid spoiler / seals
- ECM seals
- Electrical contact gasket – windows and locks
- Electronic column lock seals
- Electronics display gaskets
- EMI gaskets
- Exterior mirror seals
- Exterior sensor gaskets
- Gas tank isolator pads
- Headlamp seals
- Headliner spacers
- Head Up Display (HUD)
- Heat shields
- HVAC gaskets
- Infotainment touch screen seals
- Instrument cluster gaskets
- Instrument panel isolation pads
- Interior pod light seal / button
- License plate light seals
- Name badge backings
- Occupant sensors
- PCB isolation pads
- Rear camera LCD seals
- Rear camera seals
- Rear shelf isolation strips
- Roof-mounted antenna gasket
- Seat belt retractor pad
- Shifter solenoid seals
- Sunroof isolation pads
- Tail light gasket
- Tolerance gap pads
- Windshield wiper assembly seals
- Wiring harness isolation pads

- HEV battery pack water seals
- HEV battery pads

MATERIAL SELECTION TOOL

Identify the proper PORON® Urethanes for your design challenge:
rogerscorp.com/hpf/tools/msg

WWW.ROGERSCORP.COM ROGERS CORPORATION-HIGH PERFORMANCE FOAMS DIVISION US 800.935.2940 | Europe +32.9.235.36.11 | Asia +86.512.6258.2700

The world runs better with Rogers.®