



ESP Custom Molded Rubber

Recreational Vehicles | Lawn & Garden

- Expert Product Design
- Superior Material Development
- Compounds That Will Survive Harsh Conditions:
 - Media Compatibility
 - Ozone Resistance



We make small parts a big part of your bottom line.



Material:

Ozone Resistant

- Thermal properties to resist radiation and ozone elements

Weather Resistant

- Exposure to sunlight
- Extreme low and high temperatures
- Resistance to moisture

Chemical Resistant

- Fluid compatible compounds for fuels & oils



Tooling:

Cost

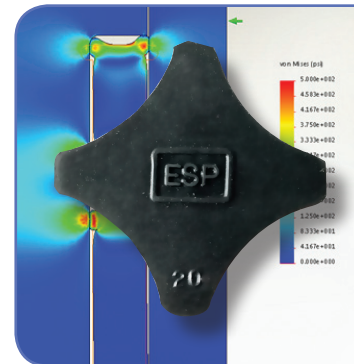
- Molding processes: injection, compression, & transfer are considerations. Number of cavities and types of molds are factors.

Capability

- How complicated is the part will determine tooling & process

Cosmetics

- ESP offers a variety of advanced surface treatments for critical color-matching applications



ANY / ALL Custom SHAPES/ SIZES

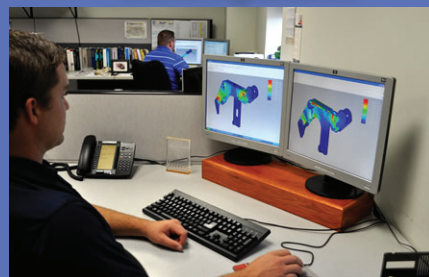
- Ozone Resistant
- Media Compatible
- Temperature & Pressure Compatible

ESP International's strength lies in the ability to design at the front end. Whether it be a simple material selection or a critical design need, ESP's engineering experts are geared to design parts to be stronger and more efficient to make.



ESP EXPERTS: Available from Development to Delivery

Development.



Testing.



Production.



Delivery.



Standard & CUSTOM Materials Available:

| | | | |
|-----------|---------------------|---|---|
| N | Nitrile | - | Good Wear Resistance & Compression Set Short-term Resilience <i>Temperature Range: -40°F to +250 °F</i> |
| | HNBR | - | Excellent Abrasion, Tear, & Chemical Resistance <i>Temperature Range: -25°F to +300 °F</i> |
| V | Fluorocarbon | - | Good Wear Resistance Excellent Compression Set & Permeation Resistance <i>Temperature Range: -15 °F to +400 °F</i> |
| E | EPDM | - | Good Ozone & Environmental Resistance Water & Steam Compatible <i>Temperature Range: -70°F to +250 °F</i> |
| CR | Neoprene | - | Good Ozone, Aging & Chemical Resistance <i>Temperature Range: -40 °F to +250 °F</i> |
| S | Silicone | - | Excellent Ozone & Weather Resistance Heat & Cold Compatible <i>Temperature Range: -64°F to +450 °F</i> |
| EU | Polyurethane | - | Good Wear & Extrusion Resistance, Tear Strength & Elasticity <i>Temperature Range: -40°F to +180 °F</i> |

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At ESP, we draw on our experience and apply our expertise at every stage of everything we do. Global insight, connection, and reach allow us to deliver the right engineered solutions at the right time. It's our passion for performance that leads to profitability for our OEM customers.



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