



ESP Custom Molded Rubber

Oil & Gas

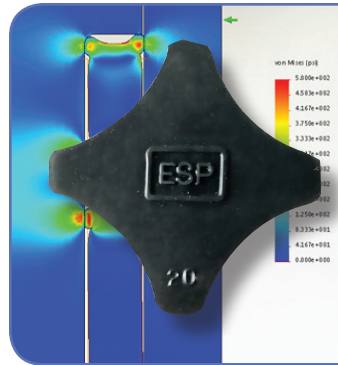
- Expert Product Design
- Superior Material Development
- Compounds That Will Survive Harsh Conditions:
 - Media Compatibility
 - Ozone Resistance



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



Your Source for CUSTOM Molded Rubber



ANY / ALL Custom SHAPES/ SIZES

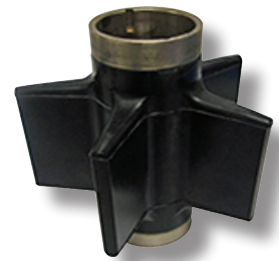
- Ozone Resistant
- Media Compatible
- Temperature & Pressure Compatible

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.



Packing Elements

- Compatible with a variety of completion tools
- High expansion and extrusion resistance
- Broad temperature range capability including high pressure, high temperature
- NORSOK M-710, API and ISO 23936 certifications



Centralizers

- Used in measure while drilling (MWD) tools
- Available in rubber and metal reinforced rubber
- All are custom manufactured



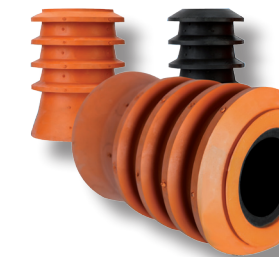
Blowout Preventers

- Designed to withstand rolling or twisting in the gland
- Able to maintain lip loading on both I.D. and O.D. at low or high pressure extremes
- Broad range of available materials ensures the proper combination of abrasion, extrusion, temperature resistance and fluid compatibility



Mud Motor Boots

- Compounds have been characterized using drill-site obtained muds to verify compatibility; leading to a robust, durable, and longer lasting drill time
- Retained properties at 350°F
- Fluid compatibility
- Abrasion resistance
- Tear strength



Cement Plugs

- Designed for all wellbore conditions including:
 - High Pressure
 - High Temperature
 - Chemically Aggressive Environments

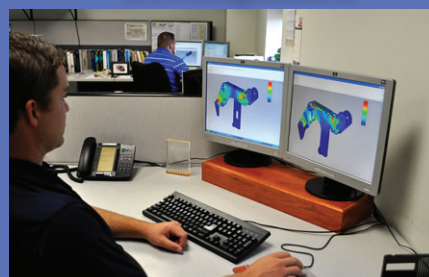
Oil & Gas Material Certifications:

- NORSOK M-710
- API 6A
- ISO 23936-2 & Total
- Sour Service Applications

FFKM, PTFE, & PEEK Available

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>

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

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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