



OUR PRODUCT LINES

Saint-Gobain Seals



SAINT-GOBAIN SEALS



More than 50 years as a global leader in designing and manufacturing high-performance, sealing, wear and friction control solutions

We offer a diverse range of **critical parts for extreme application conditions** with



17 Manufacturing
Facilities

In 10 Countries

Approximately 1,000
Employees





SEALS PRODUCT LINE



**Spring
Energized Seals**

- Temperature range -254 to 365°C
- UHV to 15,000 psi (1035 bars)
- Broad chemical compatibility
- 3mm to 6m size



Metal & Boss Seals

- Temperature -269 to 1150°C
- Leak Rates: < 10-10 cc/sec
- Vacuum to 100,000 psi (6894 bar)
- All fluids and gases



Rotary Shaft Seal

- Temperature -55 to 230°C
- Low friction and wear in dry abrasive media
- High speed rotary applications

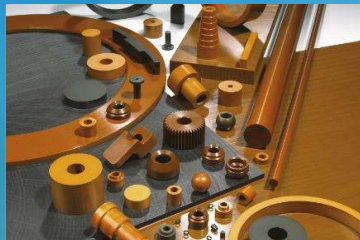


FRICION & WEAR PRODUCT LINE



Fluoro-Molded compounds

- -250°C to 288°C
- Broad chemical compatibility
- Low deformation under load
- Self lubrication
- > 1000 formulations



Engineered Thermoplastic

- -250°C to 320°C
- All volume coverage
- IT6 tolerance control, 0 ppm in Million part volume



Thermoset Composites

- -250°C to 320°C
- Carbon / glass fiber re-enforced
- Wear resistance under high load
- Overmolding



The background of the slide is a blue-tinted photograph of a helicopter hoisting a large, dark object from the ocean. In the distance, a person stands on a small rock with their arms raised. On the left side, there is a large, light blue graphic of a stylized wave or seal profile.

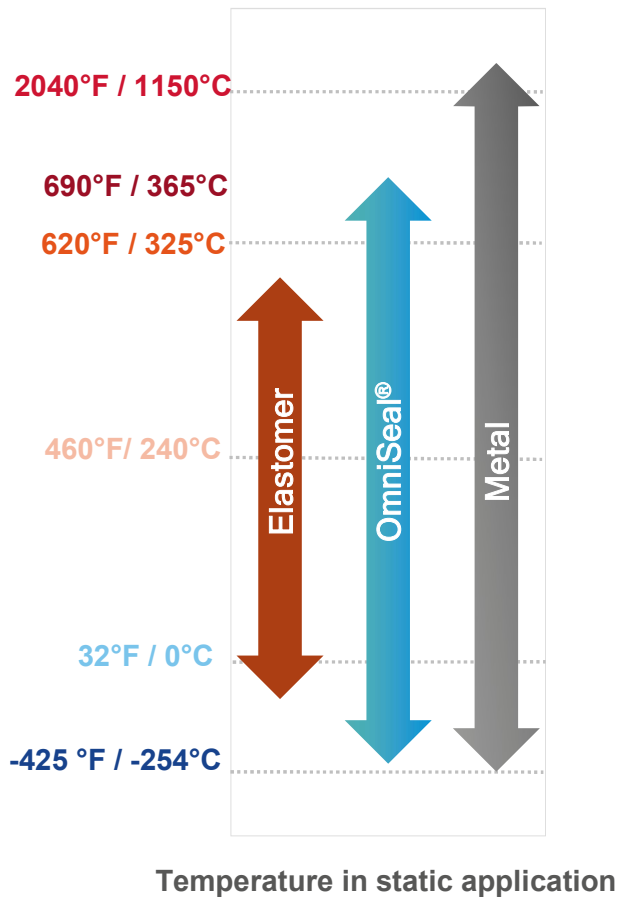
OMNISEAL®

Spring Energized PTFE Seals

The Saint-Gobain logo consists of a stylized white line graphic above the company name.

SAINT-GOBAIN

OMNISEAL® OFFERS SUPERIOR ADDED VALUE COMPARED TO TRADITIONAL SEALING SOLUTIONS



ELASTOMER SEALS



- Thermal aging issue
- Reaching the limit in material properties
- Limited at low temp when good at high temp

OMNISEAL®



- More material solutions
- Easy to install
- Flexible design
- Better temperature range

METAL SEALS



- Very high temperature application
- High load application
- Optimum leakage rate



OMNILIP™

Rotary PTFE Lip Seals

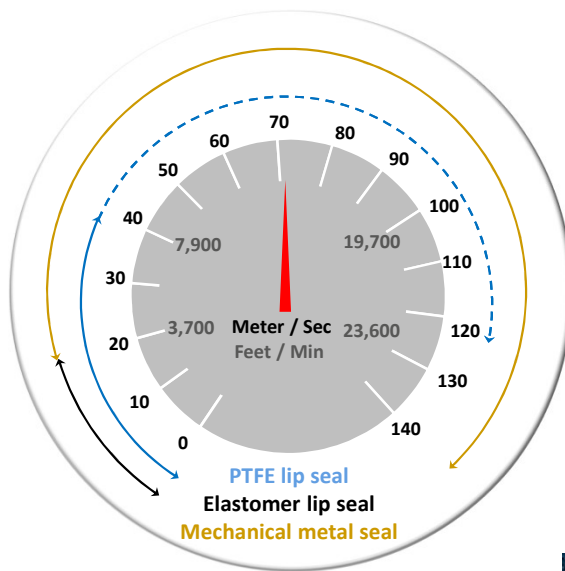


SAINT-GOBAIN

OMNILIP™ TECHNICAL PRODUCT POSITIONING



LINEAR SPEED ON ROTARY SHAFT APPLICATION



FILLED PTFE ROTARY LIP SEALS



Added value vs
mechanical metal sealing
solutions

- Offers weight saving
- More design possibilities
- Easier to install
- Less space needed



Added value vs
Elastomer sealing
solutions

- Better thermal aging properties
- Large choice of material
- Less friction
- No loss of compression set
- Better performance at low temperature





HYCOMP®

Advanced Composite Solutions



SAINT-GOBAIN

HYCOMP® FAVORITE COMPOSITE SOLUTION IN AEROSPACE COMPONENTS

- High mechanical strength
- High mechanical / temperature combination capability
- High and low temperature capabilities
- Self lubricating
- Good thermal oxidative stability
- Low out gassing
- Shear strength / impact resistance / durability
- Low friction
- Compatibility with aerospace lubricants
- Multiple processing method for all kind of part design





MELDIN®

High temperature polymer solutions



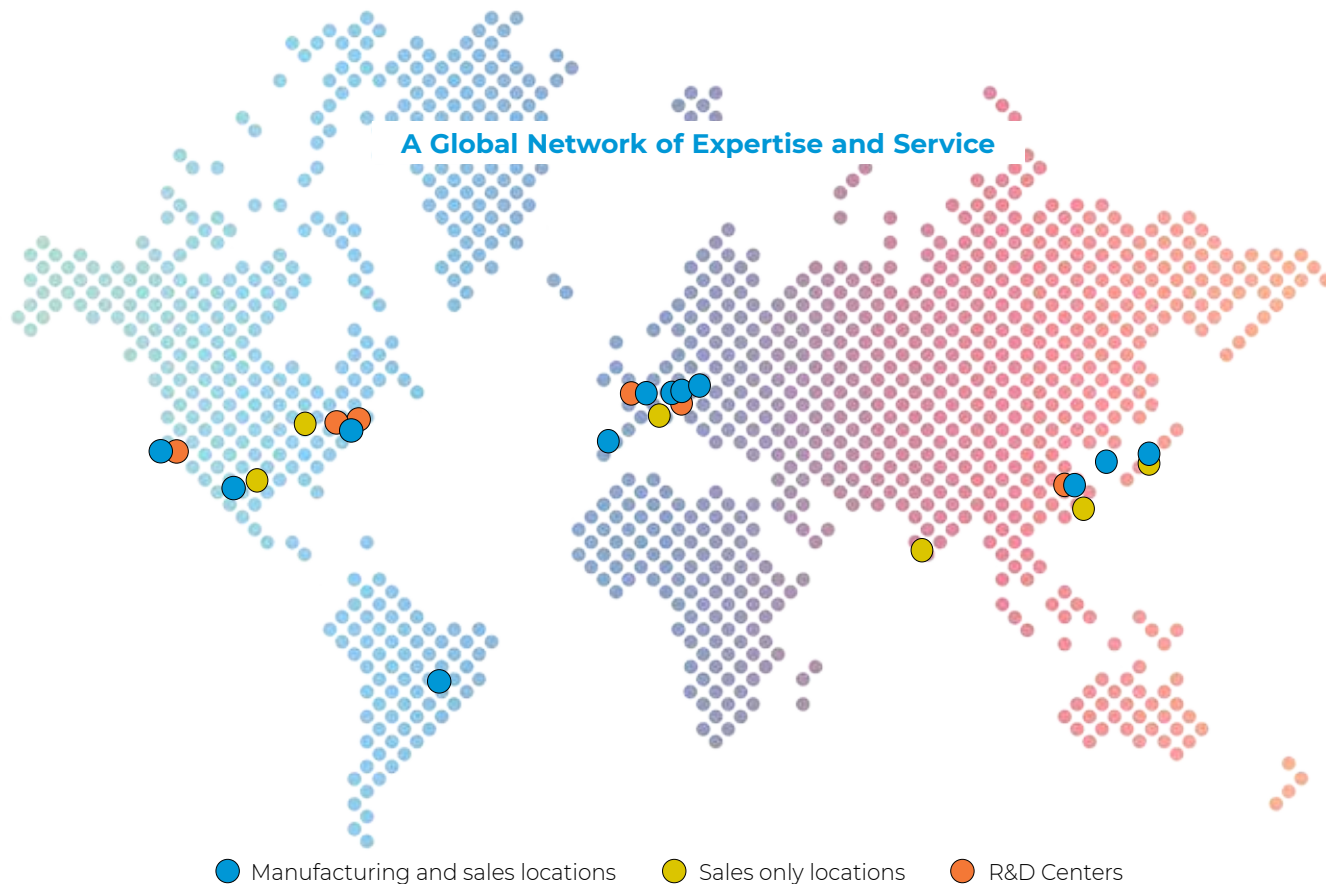


MELDIN® - FAVORITE POLYMER SOLUTION - AEROSPACE COMPONENTS

- High mechanical strength
- Significant weight savings compared to metals
- High and low temperature capabilities
- Self lubricating
- High thermal oxidative stability
- Good insulation and di-electric strength
- Elimination of fretting corrosion risk during vibration
- Low out gassing
- Compatibility with Aerospace lubricants
- Best dimensional stability of all polymer materials
- Multiple processing method for all kind of part design



A Global Network of Expertise and Service







Manufacturing and sales locations

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Garden Grove, CA USA 92841
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-  17960 Englewood Dr.
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Phone: +1 440-234-2002
-  Industria Aeroespacial 3601
Parque Industrial Saltillo-Ramos
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The background of the slide features a photograph of two scientists, a woman and a man, both wearing white lab coats. The woman on the left is holding a tablet and looking at it, while the man on the right, wearing glasses, looks towards the camera. They are in a laboratory setting with various pieces of equipment visible in the background. The entire image is overlaid with a semi-transparent blue and purple gradient.

THANK YOU

