



**High Performance compounds  
for OTR Applications**

# VIPAL

Established in Nova Prata (RS), Brazil, in 1973, Vipal Rubber is one of the leading global manufacturers of tire and inner tube repair and retread materials.

It provides a wide range of products for this market, combining Quality, Technology and Innovation.

As the pioneering manufacturing company in Brazil for chemical tire repair products, its products and services increase tire life, which is a key element in the daily routine of the transport activity.

Vipal is responsible for supplying around 90 countries, with its main markets in Europe, Latin and North America.

To meet the specific needs of each location, the company invests in the development of specific products to improve the performance in the different regions. Moreover, it has authorized retreaders, permanent regional teams, and its own distribution centers at strategic locations on four continents to provide support to international customers.

Vipal established a Florida corporate office, Vipal Rubber Corporation, in 1992 to service the US Market. Since then, our products and services have established a strong presence in U.S. market with the best quality at a very competitive price.

Always striving to provide our customers with excellent service and on-time and reliable deliveries, our warehousing is handled by specialized logistics companies which give us flexibility in volume and delivery locations. We have over 4 million pounds of pre-cure rubber and compounds in inventory between our three logistic centers in Miami-FL, Norfolk-VA, and Los Angeles-CA.



# RUBBER COMPOUNDS

Vipal provides two supply models to meet the client's needs:

- Standard Compounds - compounds developed by Vipal for the general market.
- Customized Compounds.

We develop customized compounds according to the specific requirements of the each customer.

Our laboratories allow us to do small scale assessments to ensure that the specified requirements are met, promoting a close working relationship with the customer for swift product development.

## RETREADING OTR RUBBER COMPOUNDS

Our signature OTR tire compound gives the retreaded tire superior cut and puncture resistance and long treadwear in even the most severe applications.



# OUR SIGNATURE PRODUCTION PROCESS MAKE VIPAL THE LEADING COMPANY IN BRAZIL AND A RECOGNIZED BRAND WORLDWIDE.

## HIGH PRODUCTION CAPACITY

Located in an industrial facility with over 1,800,000 ft<sup>2</sup> of space and a production capacity of 18,000 tons per month, Vipal uses state of the art machinery to meet every type of demand.



## MUST ADVANCED EQUIPMENT

Vipal utilizes a wide variety of industrial mixers in the manufacturing process. These include dedicated ones for clear compounds to avoid cross contamination with carbon black. All the mixers are equipped with automatic dosage of oil and carbon black and Programmable Logic Controllers (PLC) that guarantee that the highest quality standards are met at each step of the process, allowing numerous variations and combinations without sacrificing the high quality that the Vipal brand is known for.

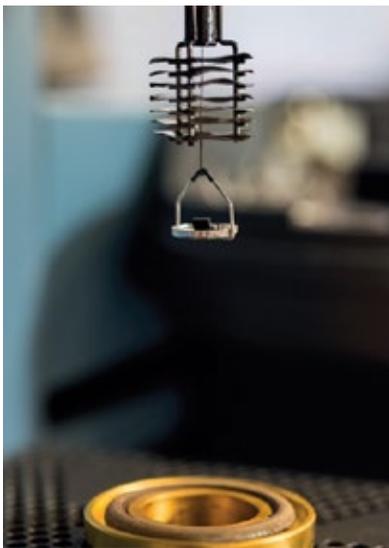
# MUST ADVANCED INDUSTRIAL FACILITIES AND LABORATORIES

Vipal focuses on implementing the most advanced technology in manufacturing, testing and compound development in an organized and efficient way.

With three factories in Brazil and more than 3,000 employees, we have the team, the facilities and the production capacity necessary to meet the needs of customers from every continent.

Each one of our factories have laboratories with test equipment used exclusively for quality control of raw materials and supplies used in production which allow us to achieve the highest quality standards for all our final products. We have a group of highly qualified professionals with international experience and knowledge who work in the 22,000 ft<sup>2</sup> Research and Technology Center (CPT). They are well prepared to understand and evaluate the unique needs of each customer. The center is divided into 8 cores that include 12 laboratories that are used for approving new raw materials and inputs, improving product lines and processes and research and development for new products. For Compound research, a 1.6 liter mixer is used with rheometers, viscometers and tensiometers to verify the quality and composition of our final compounds, as well as cutting edge equipment such as DSG, TGA, MEV, IR, CG, an Ozone Chamber and a Dispergrader, which are used to study the properties of compounds in development.



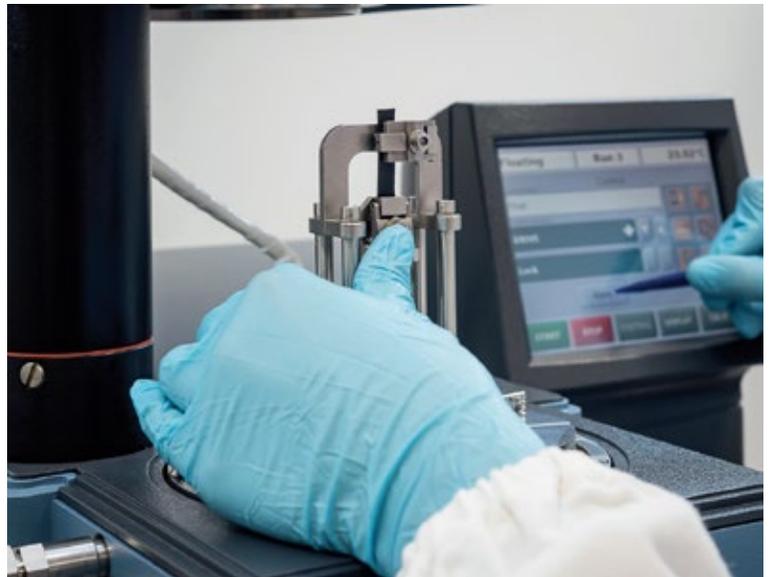


## HIGH QUALITY STANDARDS

Since 1995, Vival has ISO 9000 certifications. We led the Industry in being one of the first to earn the ISO 9002, and currently have the ISO 9001:2015 certification (certificate number 31367).

This is how we ensure our commitment to our clients to maintain the highest quality standards on a global scale.

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





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