

In order to provide complete functionality, this web site needs your explicit consent to store browser cookies. If you don't allow cookies, you may not be able to use certain features of the web site including but not limited to: log in, buy products, see personalized content, switch between site cultures. It is recommended that you allow all cookies. For further information on how to manage or remove cookies

visit www.allaboutcookies.org.

Allow only essential cookies

Allow all cookies

Products

AGILON® PERFORMANCE SILICA



AGILON® Performance Silica Products

AGILON® performance silica products are more than traditional reinforcing fillers. By precipitating silica and silane together and delivering them as a single, finished compounding solution, PPG has created a breakthrough technology that uniquely combines product and process, enabling industrial rubber and tire makers to enhance rubber performance, simplify their manufacturing processes and promote a healthier environment.

Tire Applications

Agilon performance silica products facilitate increased silica-loading in tread- and non-tread compounds, offering tire makers the freedom and flexibility they need to redefine the boundaries of the industry's "magic triangle" by:

- Reducing rolling resistance to make vehicles more fuel efficient
- Improving traction and handling in wet, snowy or icy conditions
- Extending tread life so that tires last longer

Industrial Rubber Applications

Agilon performance silica products also can be used by industrial rubber manufacturers to formulate compounds with better heat build-up resistance, improved tensile strength, higher hot rebound, lower compression set and other performance characteristics.

Environmental and Processing Advantages

By utilizing *Agilon* performance silica in their manufacturing processes, industrial rubber and tire manufacturers also can reduce process complexity and capital investment and, at the same time, address environmental concerns by:

- Utilizing older mixing technologies to process silica compounds
- Reducing the number of mixing passes, thereby increasing silica mixing throughput
- Reducing energy consumption
- Virtually eliminating mix-related VOC emissions
- Eliminating porosity-related extrusion inefficiencies
- Mixing at high temperatures without increasing viscosity or causing premature vulcanization

- Mixing at lower temperatures to avoid natural rubber degradation
- Enhancing the effectiveness of silane coupling in natural rubber applications

For more information about *Agilon* performance silica products, or to find the right formulation for your application, please review the chart below:

Product	Physical Form	SDS	Literature	Recommended End Use
<i>Agilon</i> 400	Granule or powder	SDS	<ul style="list-style-type: none"> - Agilon Performance Silica for Tire Overview - Agilon Performance Silica for Industrial Rubber Overview - Reinforcing fillers for EPDM Overview 	Tire Industrial Rubber
<i>Agilon</i> 454	Granule or powder	SDS	<ul style="list-style-type: none"> - Agilon Performance Silica for Tire Overview - Agilon 454 Performance Silica for Truck Tires Overview 	Tire Industrial Rubber
<i>Agilon</i> 458	Granule or powder	SDS	<ul style="list-style-type: none"> - Agilon Performance Silica for Tire Overview 	Tire Industrial Rubber

Agilon is a registered trademark of PPG Industries Ohio, Inc.

REQUEST A SAMPLE