

## NXT™ P97 silane

### Product Description

NXT P97 is another family member of Momentive's mercapto silanes for Tire and Rubber applications. The use of NXT P97 silane can support the tire industry to meet the increasing requirements to reduce rolling resistance and improve wear performance of tires. NXT P97 silane-based compounds may enable improved tire performance while reducing the environmental footprint mile after mile.

### Key Features and Typical Benefits

- Wear — the use of NXT P97 silane may result in improved DIN and Angle Abrasion over standard silanes. Tires may benefit from increased mileage, or the possibility to reduce tire tread depth, resulting in improved RR and lower material usage and cost.
- Rolling resistance (RR) — NXT P97 silane-based compounds may show very low hysteresis and improved RR indicators compared to standard silanes.
- Wet grip — the grip over RR balance may be improved when using NXT P97 silane.
- Handling — Compounds with NXT P97 silane may be adjusted to balance dynamic stiffness and tire handling indicators while maintaining competitive RR performance.
- Compounding — NXT P97 is based on mercapto silane technology. Adjustments may be required when replacing standard silanes to provide sufficient green rubber processability and achieve the full performance benefits of NXT P97 silane. As an example, a vulcanization package containing TBzTD instead of DPG and at least one sulfenamide accelerator may result in sufficient scorch safety and ensure the required crosslink density.

### Typical Physical Properties

Property	Value
Physical Form	Clear liquid
Color	Pale yellow
Specific Gravity at 25 °C	0.976
Flash Point Closed Cup (°C)	110

Typical properties are average data and are not to be used as or to develop specifications.

### Potential Applications

Compound formulations for tires or technical rubber goods.

### Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent without authority from the owner of the patent.

### Product Safety, Handling and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at [www.momentive.com](http://www.momentive.com) or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

### Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

## Customer Service Centers

For additional information, please contact our Customer Service Team

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