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## High-Strength Adhesive

Technical Data Sheet

SZ0312-2023-7 V2

## GreenThinking® BD59J

**Description:** GreenThinking® BD59J is a gray powder composed of non-metallic complexes, reactive hydrocarbon molecules, and other mixtures.

**Application:** Suitable for natural rubber, synthetic rubber, and reclaimed rubber. Ideal for metal-skeleton products.

**Featured Performance:**

BD59J adhesive significantly enhances the initial bonding strength between rubber compounds and metal/non-metal skeleton materials, as well as post-aging adhesion.

BD59J optimizes rubber compounding efficiency to reduce energy consumption. It effectively prevents and resolves defects such as tire shoulder voids, delamination, and layer separation in conveyor belts, rubber belts, and hoses, thereby improving uniformity and overall quality.

BD59J significantly reduces porosity in rubber compounds, eliminates small molecules generated during processing or vulcanization, and enhances compactness and quality via nano-material micro-void filling.

BD59J has no adverse effects on production safety or vulcanization within the recommended dosage range.

**Typical Physical Data** (Typical values are for reference only and not product standards):

Test Item	Test Method	Testing Standards	Test Results
Loss on Ignition (750°C)	GB/T 11409-2008	≤15%	2.72%
Loss on Heating (105°C)	GB/T 11409-2008	≤2.0%	0.11%
pH Value (5% Solution)	GB/T 15344-2012	7.5-10.5	9.06

**Note:** The above parameters are provisional. Adjustments may be made based on customer feedback and product stabilization.

**Dosage Recommendations:**

BD59J can be added with other minor additives during compounding. Single-stage addition is recommended.

**Packing:** 25KG/bag.

**Storage:** Store in a cool, dry, and well-ventilated area under sealed conditions.

For More Product Information, Please Visit Our Website: [www.sanezen.com](http://www.sanezen.com)

**Contact:**

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**Important Statement:**

The information contained in this instruction manual is given on the basis of our current knowledge and good credit. It is indicative information only and is not binding, in particular with regard to damages and prejudice to the rights of third parties during the use of the product. Shanghai Powerflex Materials Co., Ltd. guarantees that the products it sells are in accordance with the sales specifications. Only the necessary prior testing can determine the suitability of a product for a particular purpose, and this information is not a substitute for prior testing to determine the suitability of a product. It is the responsibility of the user to ensure compliance with local legislation and to obtain the necessary certificates and authorizations for use. The user is requested to check that he/she has obtained the latest version of this document and Shanghai Powerflex Materials Co., Ltd. is ready to provide additional information to the customer.