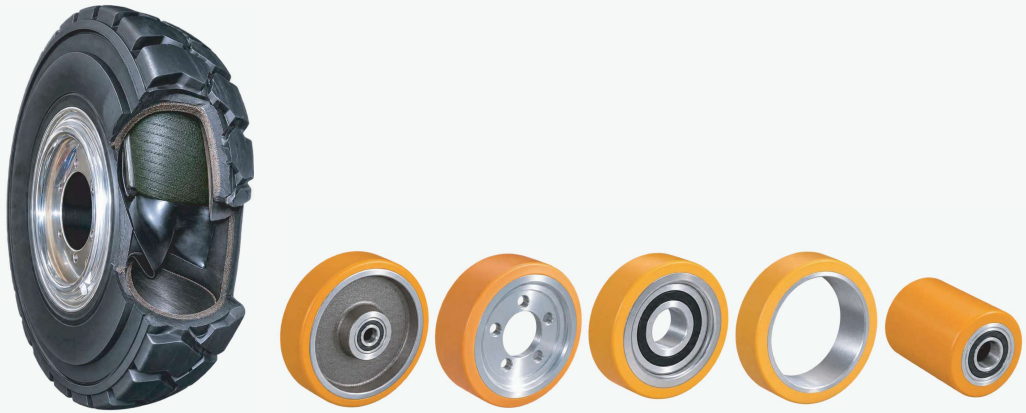
BNN®

PRODUCT MANUAL
2026



Product Manual

Distributor :
Contact Information :



BNN Industry & Trade Co., Ltd is a specialized company dedicated to the research, development, production, sales, and service of polymer materials. Equipped with advanced production facilities and technologies. specializing in cast polyurethane prepolymers, cast polyurethane systems, special-performance polyurethane polymers, as well as polymers for coatings and adhesives. The products serve a broad range of traditional and emerging fields such as machinery, mining, petroleum, printing, sports, photovoltaic and marine industries. Additionally, we offer customized R&D and production services tailored to clients' specific technical and performance requirements for polymer materials.

More than three compounds are available for different mining applications.







Product Description:
PU-filled (perfusion-filled) solid tyre

Performance:
Safe and durable, ensuring high load-bearing capacity while maintaining comfort, with an extended service life.

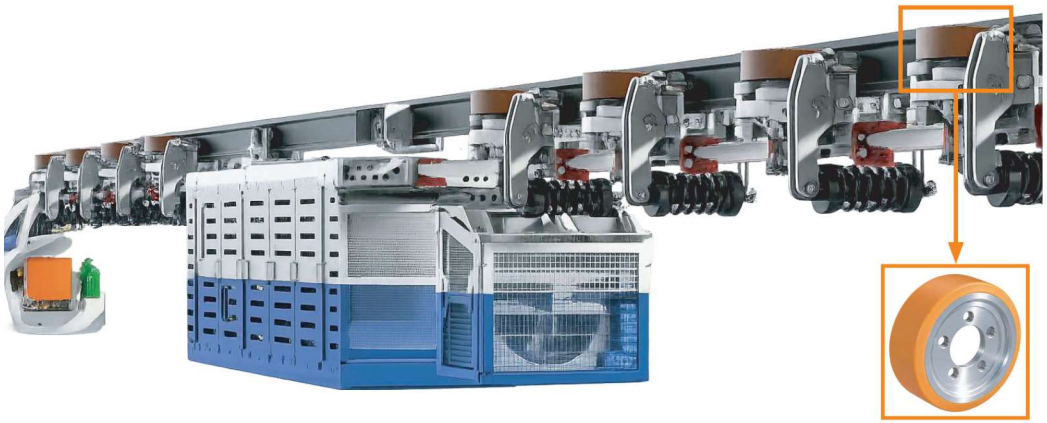
1. B-10

Puncture-Proof Filling Polymer is suitable for various general industrial applications. It is designed for operating conditions that demand higher ride comfort. Its Shore hardness is HA20 ± 5. This elastomer is specifically engineered for tires operating within a daily 8-hour work cycle. The tire can continuously travel at speeds ≤ 35 km/h; or make short trips at speeds up to 50 km/h, with a single continuous use duration not exceeding two hours.

2. B-20

This puncture-resistant filling polymer can be mixed with recycled rubber granules using specialized filling equipment, significantly reducing costs. The comfort level of this product falls between that of the B-10 and solid rubber tires. Its Shore hardness is adjustable within the range of HA25-48. The tire can continuously travel at speeds ≤ 25 km/h; or make short trips at speeds up to 50 km/h, with a single continuous use duration not exceeding two hours.

» PU WHEELS OF NDI COMPOUND FOR MINE MONORAIL CRANE



» PU WHEELS OF MDI AND TDI COMPOUND FOR MONORAIL HANDLING







Pallet
Wheel



Load
Wheel



Press-on
Wheel

BNN Industry & Trade Co., Ltd
Room 6068, Building 1, No.771 Guangshui Road, Licang District,Qingdao City, Shandong Province

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» POLYURETHANE PREPOLYMER RAW MATERIAL SERIES PRODUCTS

» BN-8692

Product Description:
Based on medium-performance polyester polyol products, it exhibits high mechanical strength and wear resistance, rapid demolding capability,
and ease of use.

Product Application:
Elastomers, such as elevator wheels, casters, and common mechanical components.



» BN-6560D

Product Description:
A high-performance product in the PTMG series, featuring exceptional mechanical strength, high resilience, outstanding wear resistance, excellent dynamic performance, superior heat resistance, long service life, and user-friendly operation.

Product Application:
Primarily used for the production of high-performance polyurethane elastomer products.



» POLYURETHANE HOLLOW TUBE PRODUCT

Product Description:
The product features a smooth surface free of bubbles, vibrant color, excellent wear resistance, chemical corrosion resistance, high tensile strength, highpressure load tolerance, tear resistance, and radiation resistance.



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