



Technical Data Sheet

Europrene®
BR

Neocis BR 450 BA
Butadiene Rubber Bio Attributed



Europrene® Neocis BR 450 BA is a solution high cis polybutadiene produced with an organometallic neodymium catalyst. A non-staining TNPP free antioxidant is added during the production process.

Sustainability

Bio raw materials can be used in production processes together with traditional raw materials. In order to attribute sustainability characteristics to the final product, Versalis applies the **Mass Balance** approach, an acknowledged methodology that ensures that the sustainability characteristics of the alternative raw material, mixed with traditional naphtha, correspond to those of the final product. BA products are provided with a **sustainability declaration** indicating the amount of Bio Attributed component. They guarantee identical performance, quality and properties, as they do not differ in chemical composition and physical-mechanical performance from standard products.

| Main Properties | Test Method | Unit | Typical Value |
|---------------------------------|-----------------|------|---------------|
| Mooney Viscosity ML 1+4(100 °C) | ASTM D 1646 | MU | 44 |
| Cis - 1,4 Content | Internal Method | % wt | 95 min |
| Volatile Matter | ASTM D 5668 | % wt | 0.75 max |
| Ash | ASTM D 5667 | % wt | 0.5 max |

The product is free from any nitrosing agent and essentially free from pre-formed nitrosamines and nitrosable substances.

Key Features

Europrene® Neocis BR 450 BA is an elastomer characterized by excellent processability, resilience and rebound. It shows very good resistance to abrasion, good resistance to fatigue cracking. Its extremely low glass transition temperature provides enhanced low temperature performances compared to other general purpose rubbers.

Main Applications

Tyre tread and sidewall, conveyor belts, technical goods, hoses, golf balls.

Physical Form

White/amber bales wrapped in easily dispersible polyethylene film.

Packaging

Wooden crate, nominal net weight 1050 kg; 35 kg bale, 30 bales per crate (1530 x 1145 x H1090 mm).

Returnable metal crate, nominal net weight 1260 kg; 35 kg bale, 36 bales per crate (1465 x 1150 x H1123 mm).

Storage Conditions

Stored in a vented, dry area at temperatures between 20°C and 30°C, with no direct sunlight.

Shelf life: 18 months minimum.

Please consult the relevant safety data sheet for more detailed information.

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