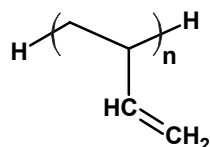


Technical Data Sheet: NISSO-PB B Series

1,2-Polybutadiene Homopolymer



B Series - Grade List

| Grade | Mn (g/mol) | Viscosity (Poise at 45°C) | Terminal modification | 1,2-Vinyl (%) | Tg (°C) | Specific gravity (25°C/4°C) |
|--------|---------------|------------------------------|--------------------------|------------------|------------|--------------------------------|
| B-1000 | 1,200 | 10 | H | 85 | -44 | 0.86 |
| B-2000 | 2,100 | 65 | H | 88 | -29 | 0.86 |
| B-3000 | 3,200 | 210 | H | 92 | -21 | 0.87 |

Description

The B Series is a homopolymer of butadiene. It has excellent plasticity as a property-modifying additive for various plastic resins and compositions. With a 1,2-vinyl structure over 85%, this Series provides high reactivity to thermal or light stimulation. Also, its characteristic structure gives it a low dielectric constant property which makes it ideal as an electrical or electronic material. There are three grades (B-1000, B-2000, and B-3000) classified according to the difference in mean molecular weight. Viscosity, glass transition temperature and other properties vary according to the molecular weight, providing options for selection according to the desired properties.

Properties

Highly flexible structure
Hydrophobicity
Low dielectric constant
Good chemical resistance
Excellent curing with highly-active vinyl groups

Application

Resin modifiers, plasticizers, crosslinking agents, print plate-making materials, adhesives, electrical insulating materials

| | | |
|--|--|--|
| Head Office Nippon Soda Co., Ltd. 2-7-2, Marunouchi, Chiyoda-ku, Tokyo 100-7010, JAPAN (T) +81-3-4212-9648 (F) +81-3-4212-9674 info@nissogr.com | U.S./Canada Nisso America Inc. 379 Thornall Street 5 th Floor Edison, NJ 08837 USA (T) +1-212-490-0350 https://www.nissoamerica.com | Europe Nisso Chemical Europe GmbH Berliner Allee 42, 40212 Düsseldorf, Germany (T) +49-211-1306686-0 (F) +49-211-328231 https://nisso-chem.de |
|--|--|--|

The information described in this sheet is believed to be accurate and is presented in good faith with no guarantee or obligation as to accuracy and no assumption of liability. Users should make their own tests to determine the suitability of products for their own particular use. NISSO makes no warranty of any kind, express or implied, including those of merchantability and fitness for particular purpose other than the material conforms to its applicable current standard specifications.