

SE PB 3501-SCHKOPAU

LOW-CIS BUTADIENE RUBBER (BR)

Composition

SE PB 3501-Schkopau is a low-cis butadiene synthetic rubber. It is produced by anionic solution polymerization adjusted for a very high level of branching. SE PB 3501-Schkopau is translucent to white in appearance and contains a non-staining stabilizer which complies with compositional requirements of the food packaging regulations of European countries and the USA (Trinseo may be consulted regarding applicable regulations).

Application

SE PB-3501 is used to manufacture Mass-ABS or transparent/high-gloss High-Impact Polystyrene. The high level of branching in combination with grafting processes supported by reactive vinyl-groups in SE PB 3501-Schkopau enable the very small rubber particle size required by these applications.

Packaging

- SE PB 3501-Schkopau is supplied in bales of 30 kg nominal weight.
- Bales are wrapped in 70 micron polystyrene film.
- One box contains forty bales (nominal 1200 kg)

Specification sheet

Raw material specification sheets are available from Trinseo or your local supplier on request.

Handling precautions

- SE PB 3501-Schkopau has to be kept away from sources of ignition.
- Reference must be made to the Safety Data Sheet for this product.
- The precautions advised in the Safety Data Sheet should be strictly observed.

Storage

SE PB 3501-Schkopau should be stored in an adequately ventilated area where it will not be subjected to sunlight or temperatures in excess of 30 °C. Under these conditions SE PB 3501-Schkopau has a shelf life of at least 12 months.

CHARACTERISTIC PROPERTIES OF SE PB 3501-SCHKOPAU

Chemical and Physical Data

Property	Test Method	Unit	Value
Mooney viscosity⁽¹⁾	ASTM D 1646	MU	45.0
Solution viscosity⁽²⁾	ASTM D 445	mPa·s	45.0
Cis-1,4 content	SM ⁽³⁾ (FTIR)	%	39.0
Vinyl content	SM ⁽³⁾ (FTIR)	%	10.0
Volatile matter⁽⁴⁾	ASTM D 5668	% mass	0.2
Total ash	ASTM D 5667	% mass	0.04
Gel rating	SM ⁽³⁾	-	1.0-2.0
Colour	SM ⁽³⁾	APHA	3.0

(1) ML 1+4 (100 °C) (2) 5 % mass in styrene solution at 25 °C (3) Supplier Method (4) 1 h at 105 °C in a hot air oven, amount 5 g

The principles of Responsible Care® and Sustainable Development influence the production of printed literature for Trinseo S.A. and its affiliated companies. As a contribution towards the protection of our environments, Trinseo's printed literature is produced in small quantities and on paper containing recovered/post-consumer fiber and using 100 percent soy-based ink whenever possible.

Product Stewardship

Trinseo and its affiliated companies have a fundamental concern for all who make, distribute, and use their products and for the environment in which we live. This concern is the basis for our Product Stewardship philosophy by which we assess the safety, health, and environmental information on our products so that appropriate steps may be taken to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Trinseo products – from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Customers are responsible for reviewing their manufacturing processes and their applications of Trinseo products from the standpoint of human health and environmental quality to ensure that Trinseo products are not used in ways for which they are not suitable. Trinseo personnel are available to answer questions and to provide reasonable technical support. Trinseo product literature, including safety data sheets, should be consulted prior to the use of Trinseo products. Current safety data sheets are available from Trinseo.

No freedom from infringement of any patent owned by Trinseo or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, the customer is responsible for determining whether products and the information in this document are appropriate for the customer's use and for ensuring that the customer's workplace and disposal practices are in compliance with applicable legal requirements. Although the information herein is provided in good faith and was believed to be accurate when prepared, Trinseo assumes no obligation or liability for the information in this document.

Notice regarding medical application restrictions

Trinseo requests that customers refer to Trinseo's Medical Application Policy <http://www.trinseo.com/medical.htm> before considering the use of Trinseo products in medical applications. The restrictions and disclaimers set forth in that policy are incorporated by reference.

Disclaimer

Trinseo makes no warranties, either express or implied, in this document; all implied warranties of merchantability or fitness for a particular purpose (including medical applications) are expressly excluded. Trinseo disclaims any and all liability for losses or damages that may result from the use of Trinseo products in unsupported use. Trinseo makes no warranties, express or implied, that the use of any Trinseo product will be free from any infringement claims.

For more information on products, innovations, expertise, and other services available from Trinseo, visit www.trinseo.com, or contact us as indicated below.

North America	
U.S.	+1-855-TRINSEO (+1-855-874-6736)
U.S. & Canada	+1-989-633-1718
Latin America	
Brazil	+55-11-5184-8722
Argentina, Chile, South Region of LAA	+54-11-4319-0100
Mexico, Colombia, North Region of LAA	+52-55-5201-4700
Europe/Middle East/Africa	
	+800-444-11-444
	+31-11567-2601
Asia Pacific	
	+603-7965-53-19
China	+86-21-3851-1017
Email	
	CIG@trinseo.com
Internet	
	trinseo.com

General Notice

Any photographs of end-use applications in this document represent potential end-use applications but do not necessarily represent current commercial applications, nor do they represent an endorsement by Trinseo of the actual products. Further, these photographs are for illustration purposes only and do not reflect either an endorsement or sponsorship of any other manufacturer for a specific potential end-use product or application, or for Trinseo, or for specific products manufactured by Trinseo.

If products are described as "experimental" or "developmental": (1) product specifications may not be fully determined; (2) analysis of hazards and caution in handling and use are required; (3) there is greater potential for Trinseo to change specifications and/or discontinue production, and (4) although Trinseo may from time to time provide samples of such products, Trinseo is not obligated to supply or otherwise commercialize such products for any use or application whatsoever.

For additional information not covered by the content of this document or to ensure you have the latest version of this document available, please refer to the Customer Information Group contact information on our website at www.trinseo.com/contact/.